

## รายการอ้างอิง

### ภาษาไทย

ดวงแก้ว สวามิภักดิ์,รศ.ดร. ระบบฐานข้อมูล กรุงเทพมหานคร : หจก. เอช-เอนการพิมพ์,2534  
ประวิทย์ โคมทองชูสกุล. เรียนรู้และการเข้าใจการใช้งาน Microsoft Access. กรุงเทพมหานคร  
:บริษัท ซีเอ็ดยูเคชั่น จำกัด (มหาชน),2537

ไพบุลย์ เอกพันธ์, พล.อ. คู่มือการใช้ Windows 3.1. กรุงเทพมหานคร: บริษัทซีเอ็ดยูเคชั่น จำกัด  
(มหาชน),2536

ไพศาล สงวนหมุ่น,น.ต.ดร.,และอื่น คู่มือการสื่อสารข้อมูลและไมโครคอมพิวเตอร์เน็ต  
เวอร์ค. กรุงเทพมหานคร:หจก. เอช-เอน การพิมพ์,2532.

สมนึก ศิริโต,สุรศักดิ์ สงวนพงษ์,สมชาย นำประเสริฐชัย,เปิดโลกอินเทอร์เน็ต.กรุงเทพมหานคร  
:หจก.เอช-เอน การพิมพ์,2537.

### ภาษาอังกฤษ

Carol Ashford and Peter Willett.,Text Retrieval and Document Database,Chartwell-Bratt Student  
Literature,1999-1988.

Date,C.J. An Introduction to Database System. : Addison-Wesley Publishing  
Company.Inc.,1986.

Elmasri,Ramez,Shamkant Navathe,Fundamentals of Database System,The Benjamin/Cumming  
Publishing Company,Inc.,1989.

Fleming,Candace C., and Von Halle,Barbara., Handbook of Relational Database Design,  
:Addison Wesley Publishing Company, Inc, 1989.

Greg Perry.,Access Programming By Example,Que Corporation,1993.

Harley Hahn & Rick Stout.,The Internet Complete Reference,Osborne McGraw-Hill,1994

John C.Dvorak,PC Magazine 1993 Computer Buyer's Guide,Ziff-davis Press.,1993

Korth,Henry F.,Abraham Silberschatry,Database System Concepts,McGraw-Hill Book  
Company,1986

Rob Krumm.,Access Workshop.:Brandy Publishing,1993

Teorey, Toby J., Dongping Yang, James P. Fry, A logical Methodology for Relational Database  
Using the Extended Entity Relationship Model, Computer Surveys. Vol.18, No 2. June  
1986.




ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย





ภาคผนวก

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



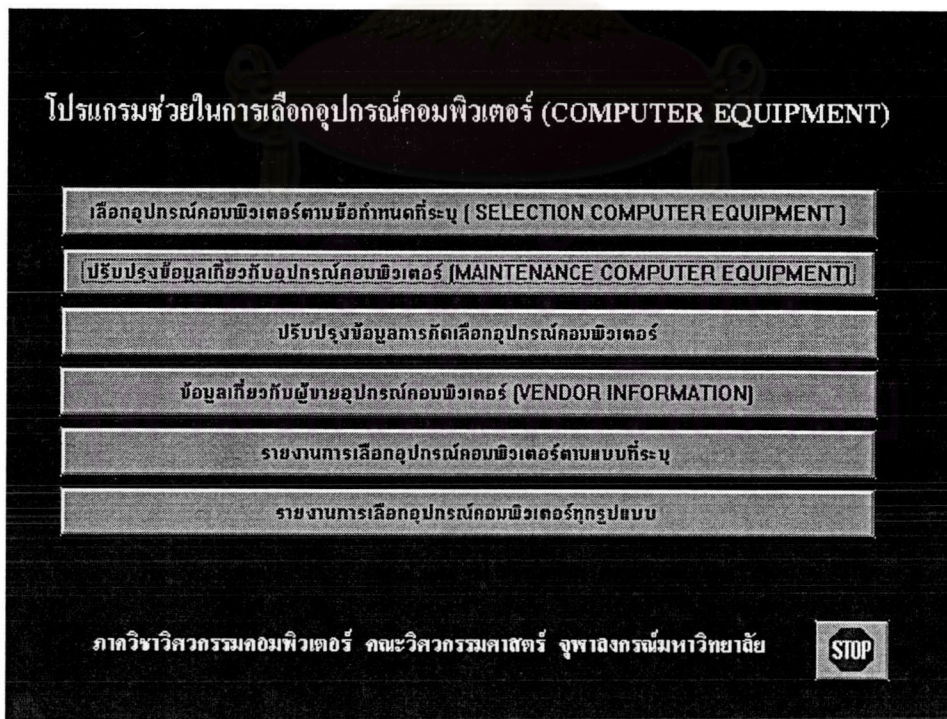
ภาคผนวก ก

ตัวอย่างจอภาพของระบบช่วยในการจัดซื้ออุปกรณ์คอมพิวเตอร์

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



ก. 1 ระบบช่วยในการเลือกอุปกรณ์คอมพิวเตอร์

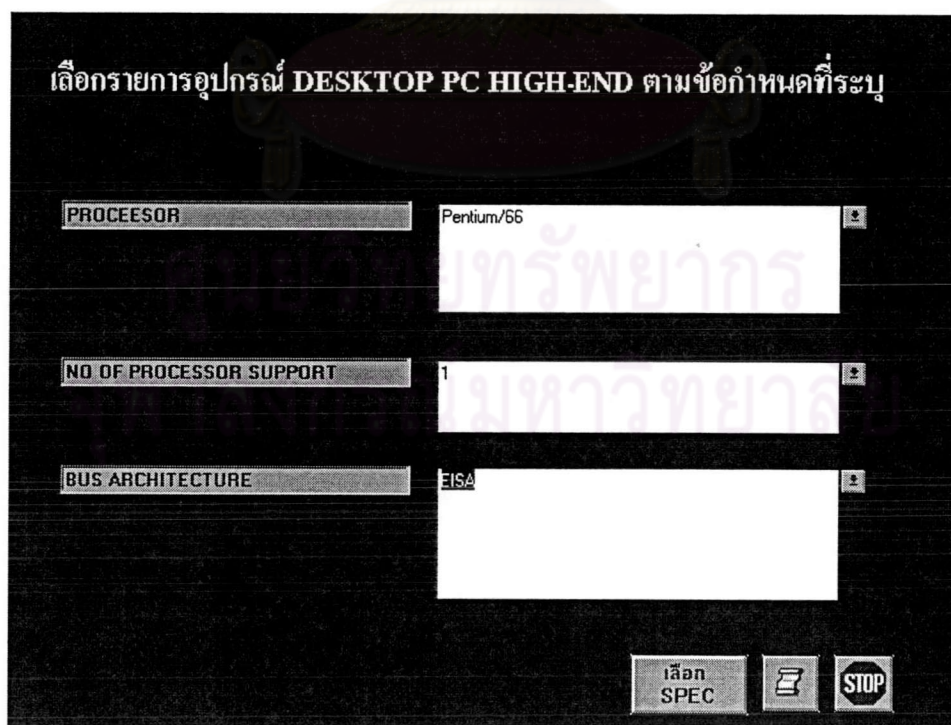


ก. 2 โปรแกรมช่วยในการเลือกอุปกรณ์คอมพิวเตอร์





ก. 3 เมนูเลือกอุปกรณ์คอมพิวเตอร์ตามข้อกำหนดที่ระบุ



ก. 4 แสดงการระบุข้อกำหนดในการเลือกอุปกรณ์คอมพิวเตอร์



**เลือกอุปกรณ์ PC HIGH-END**

VENDOR:	Acer Incorporated
PRODUCT:	AcerPower 486/E
PROCESSOR:	Pentium/66
HARD DISK INTERFACE:	SCSI-2
NO. OF PROCESSOR SUPPORT:	1
OVERDRIVE SOCKET:	Yes
MAXIMUM RAM (BYTES):	256M
STANDARD RAM (BYTES):	4M
BUS ARCHITECTURE:	EISA
PCM/CIA SLOTS:	None
BASE PRICE:	None identified

**เลือกจำนวนที่ต้องการและประเภทของ SPEC**

จำนวนที่ต้องการซื้อ	3	ประเภทของ SPEC	1
---------------------	---	----------------	---

OK STOP

Record:1 of 7

ก. 5 แสดงการเลือกจำนวนที่ต้องการซื้อและแบบของการเลือก

**ปรับปรุงข้อมูลเกี่ยวกับอุปกรณ์คอมพิวเตอร์**

**MAINTENANCE COMPUTER EQUIPMENT**

DATA ENCRPTION DEVICE	DESKTOP PC HI-END
DESKTOP SYSTEM	DESKTOP PC MID-RANGE
DIASTER RECOVERY SITES	DESKTOP PEC LOW-END
DIRECTORY OF SYSTEM INTEGRATORS	DOCUMENT IMAGE SYSTEM
ENTERPRISE NMS	FAULT-TOLERANT SYSTEM
LAN : HUB/CONCENTRATOR/MUA	LAN : NETWORK INTERFACE CARD
LAN : NETWORK OPERATING SYSTEM	ENCRYPTION AND ACCESS CONTROL
PORTABLE SYSTEM	POWER SYSTEM AND CONDITION
POWER SYSTEM UPS	VIRUS PROTECTION PRODUCTS
VOICE SECURITY DEVICE	WORKSTATION SERVER

ภาควิชาวิศวกรรมคอมพิวเตอร์ คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย

STOP

ก. 6 แสดงเมนูในการปรับปรุงข้อมูลเกี่ยวกับคอมพิวเตอร์



**การปรับปรุงข้อมูล WORKSTATION SERVER**

VENDOR:	Apple Computer, Inc.	PRODUCT:	Quadra 800 Server
MICROPROCESSOR CLOCK SPEED (MHZ):	Motorola 68040/33		
NUMBER OF PROCESSOR SUPPORT:	1		
PROCESSOR ARRANGEMENT:	Does not apply		
CO-PROCESSOR INCLUDED:	Integrated with CPU		
RAM MIN/MAX BYTES:	9M/136M		
CACHE DATA / INSTRUCTION (BYTES):	-/8K		
BUS ARCHITECTURE:	NuBus	NUMBER OF EXPANSION SLOTS:	See comm
NUMBER OF STANDARD PARALLEL PORT:	1		
NUMBER OF STANDARD SERIAL PORT:	2		
PERIPHERAL INTERFACES:	RS-232-C, RS-422, SCSI		

Record: 1 of 64

ก. 7 แสดงการปรับปรุงข้อมูลอุปกรณ์ Workstation

**ปรับปรุงข้อมูลการคัดเลือกอุปกรณ์คอมพิวเตอร์ SELECT-SPECIFICATION**

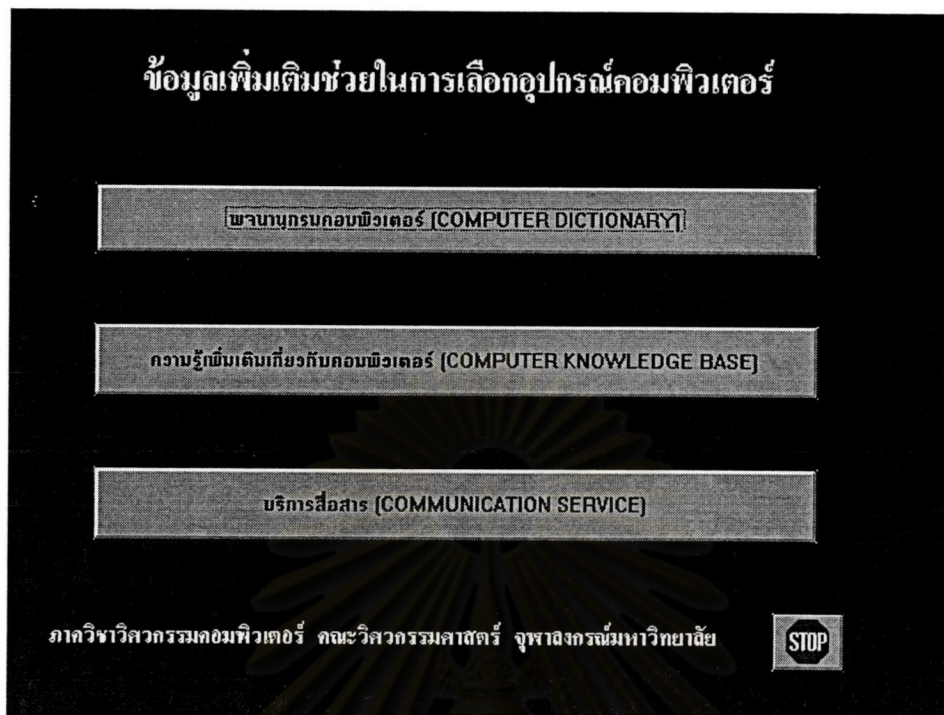
SPECIFICATION TYPE :	1
----------------------	---

TYPE OF DEVICE:	PC-HIGH-END	
PRODUCT NAME:	XEN-PC 566	
VENDOR:	Apricot Computers Ltd.	
AMOUNT:	1	
PRICE:	2524	
TOTAL PRICE:	2524	
SPEC TYPE:	1	

Record: 1 of 17

ก. 8 ปรับปรุงข้อมูลการคัดเลือกอุปกรณ์คอมพิวเตอร์

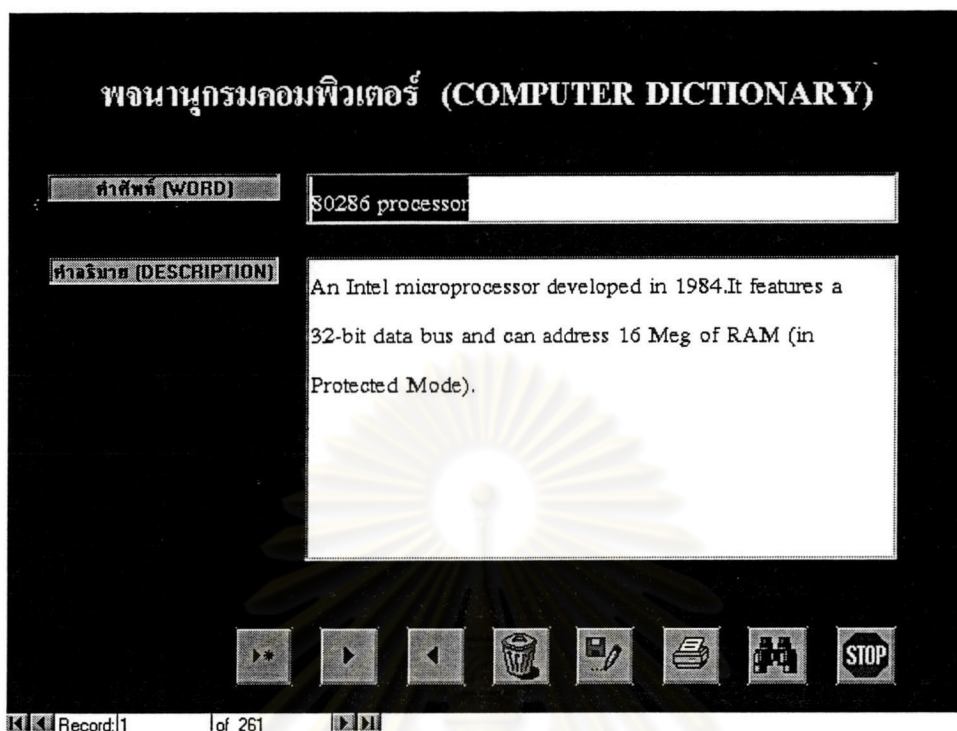




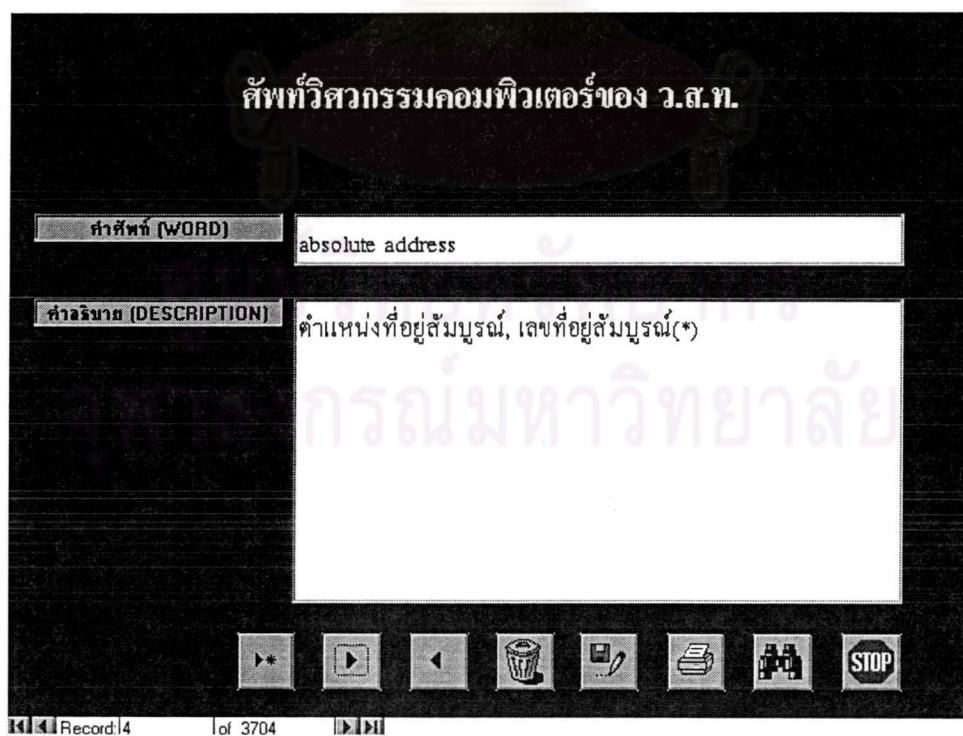
ก. 9 แสดงเมนูข้อมูลเพิ่มเติมช่วยในการจัดซื้ออุปกรณ์คอมพิวเตอร์



ก. 10 แสดงเมนูพจนานุกรมคอมพิวเตอร์

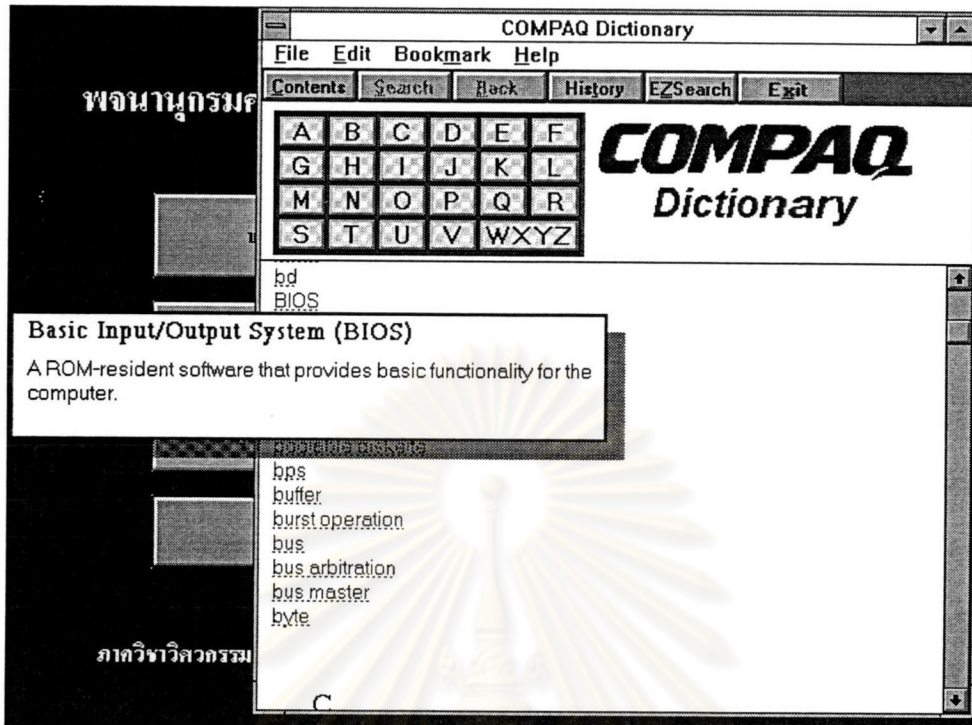


ก. 11 ตัวอย่างพจนานุกรมคอมพิวเตอร์



ก. 12 แสดงตัวอย่างพจนานุกรมคอมพิวเตอร์ ของ ว.ส.ท.







ก. 13 แสดงตัวอย่างพจนานุกรมคอมพิวเตอร์คอมแพค

**บริการระบบสื่อสาร (COMMUNICATION SERVICE)**

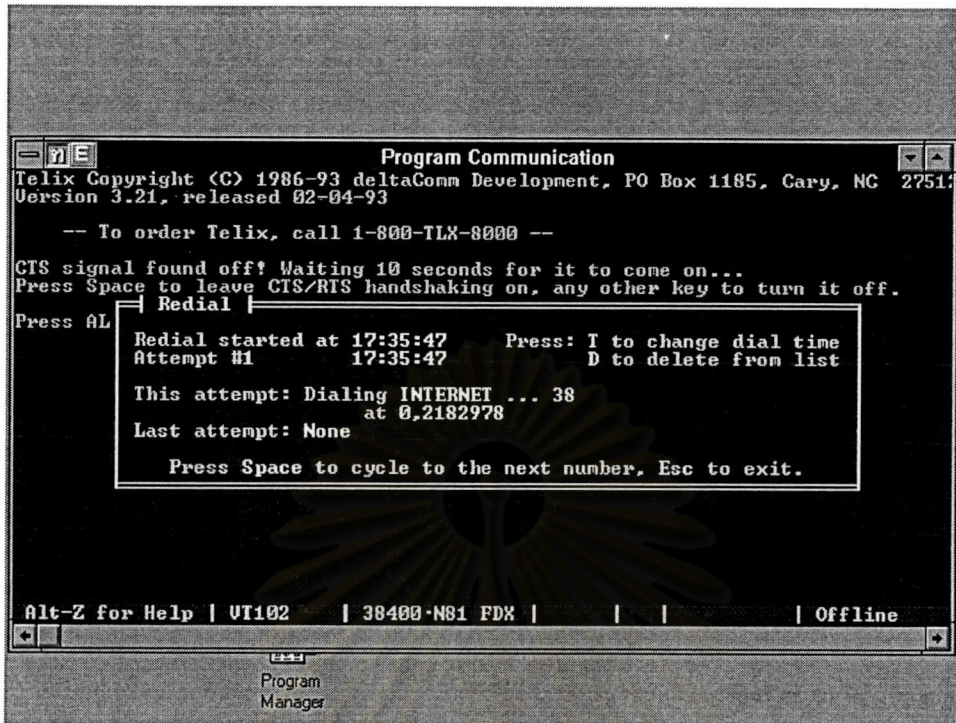
COMMUNICATION PROGRAM CONNECT TO  
COMMUNICATION SERVICE

 บริการนี้เพื่อ connect ไปยัง communication service ต่าง ๆ  
 เช่น บริการ BBS (Bulletin Board System) , INTERNET ,  
 และสามารถทำหน้าที่เป็น software emulation ได้  
 ,สามารถลัดแปลงเพื่อทำงาน remote maintenance ได้ก็ด้วย

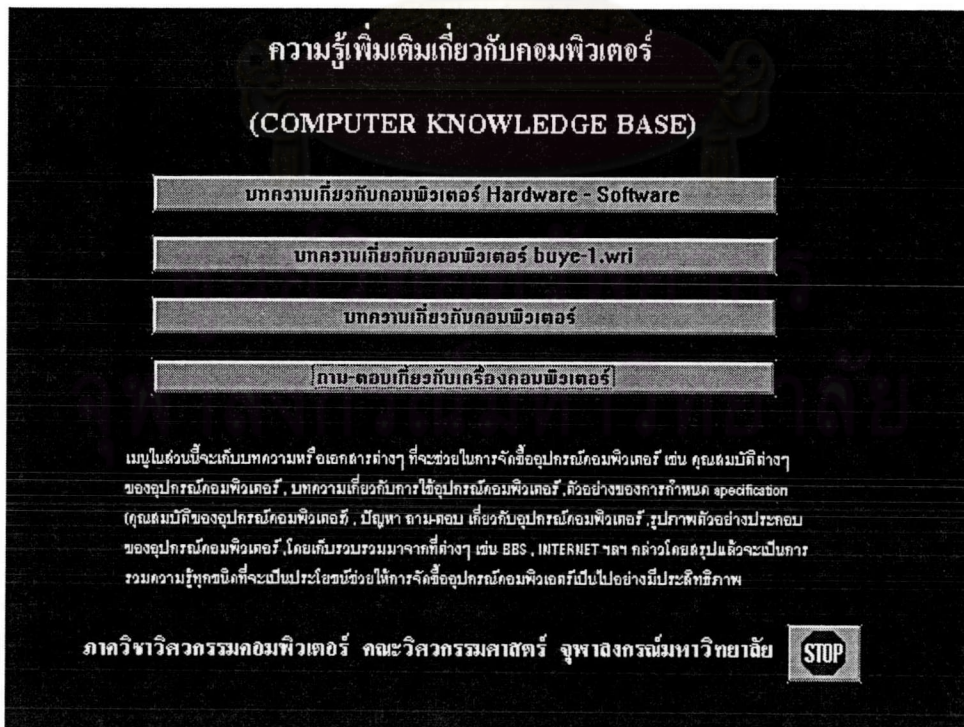
ภาควิชาวิศวกรรมคอมพิวเตอร์ คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย



ก. 14 แสดงเมนูการใช้บริการสื่อสาร

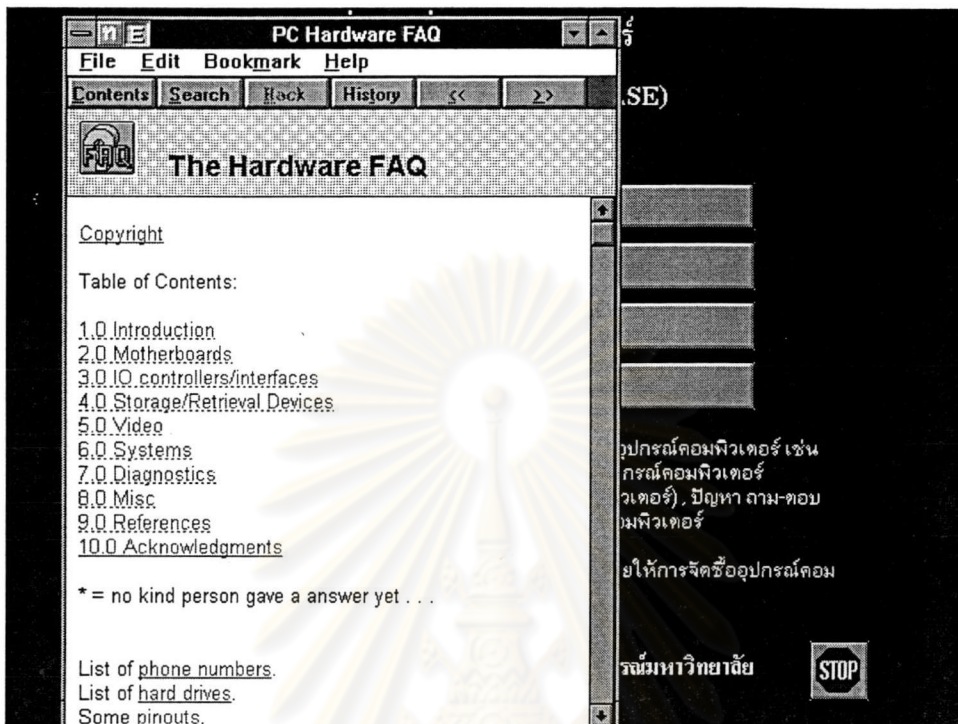


ก. 15 แสดงตัวอย่างการใช้โปรแกรมสื่อสาร

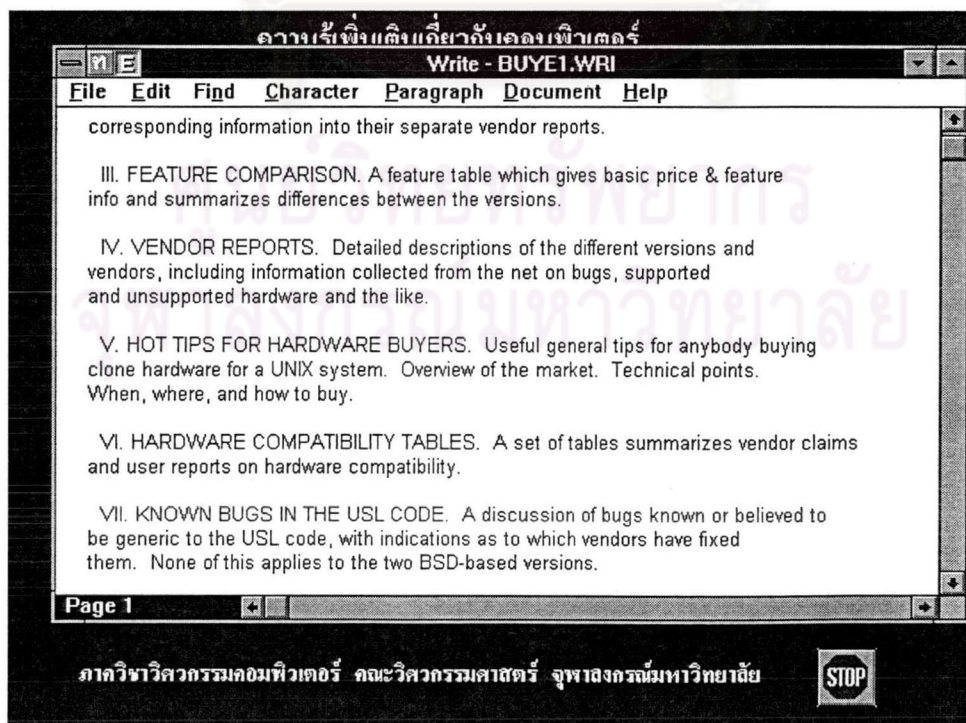


ก.16 แสดงเมนูความรู้เพิ่มเติมเกี่ยวกับคอมพิวเตอร์





ก. 17 แสดงตัวอย่างบทความถาม-ตอบ เกี่ยวกับคอมพิวเตอร์

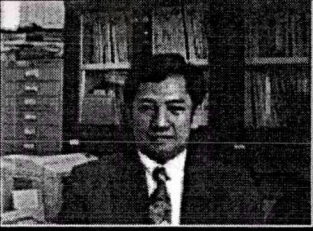
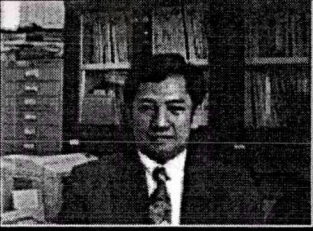
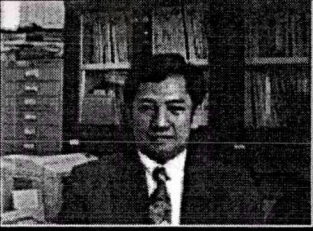







ก. 18 แสดงตัวอย่างบทความ Byte wrt



ก. 19 แสดงเครื่องหมายต่างๆที่ใช้งานในระบบ

**ข้อมูลเกี่ยวกับบริษัทผู้ขายอุปกรณ์ (VENDOR)**

<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">ลำดับที่</td> <td style="width: 15%;">1</td> </tr> <tr> <td>ชื่อ</td> <td>นายวิสูตร</td> </tr> <tr> <td>นามสกุล</td> <td>ชิตนอม</td> </tr> <tr> <td>ทำงานที่</td> <td>ธนาคารไทยทน จำกัด (มหาชน)</td> </tr> <tr> <td>สถานที่ทำงาน</td> <td>393 ซิมม กรุงเทพ 10500</td> </tr> <tr> <td>เบอร์โทรศัพท์</td> <td>230-5661,235-6571</td> </tr> <tr> <td>หมายเหตุ</td> <td>มีประชุมการจัดซื้ออุปกรณ์สื่อสาร (MODEM) ในวันที่ 29 ธันวาคม 2538 ที่ห้องประชุมชั้น 3 สำนักงานใหญ่</td> </tr> </table>	ลำดับที่	1	ชื่อ	นายวิสูตร	นามสกุล	ชิตนอม	ทำงานที่	ธนาคารไทยทน จำกัด (มหาชน)	สถานที่ทำงาน	393 ซิมม กรุงเทพ 10500	เบอร์โทรศัพท์	230-5661,235-6571	หมายเหตุ	มีประชุมการจัดซื้ออุปกรณ์สื่อสาร (MODEM) ในวันที่ 29 ธันวาคม 2538 ที่ห้องประชุมชั้น 3 สำนักงานใหญ่	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;"><b>รูปภาพ</b></td> </tr> <tr> <td style="text-align: center;"></td> </tr> </table>	<b>รูปภาพ</b>	
ลำดับที่	1																
ชื่อ	นายวิสูตร																
นามสกุล	ชิตนอม																
ทำงานที่	ธนาคารไทยทน จำกัด (มหาชน)																
สถานที่ทำงาน	393 ซิมม กรุงเทพ 10500																
เบอร์โทรศัพท์	230-5661,235-6571																
หมายเหตุ	มีประชุมการจัดซื้ออุปกรณ์สื่อสาร (MODEM) ในวันที่ 29 ธันวาคม 2538 ที่ห้องประชุมชั้น 3 สำนักงานใหญ่																
<b>รูปภาพ</b>																	
																	

Record: 1 of 5


ก. 20 แสดงตัวอย่างข้อมูลของบริษัทผู้ขายอุปกรณ์คอมพิวเตอร์





ก. 21 จอภาพแสดงการพิมพ์รายงานการคัดเลือกอุปกรณ์คอมพิวเตอร์ตามแบบที่ระบุ

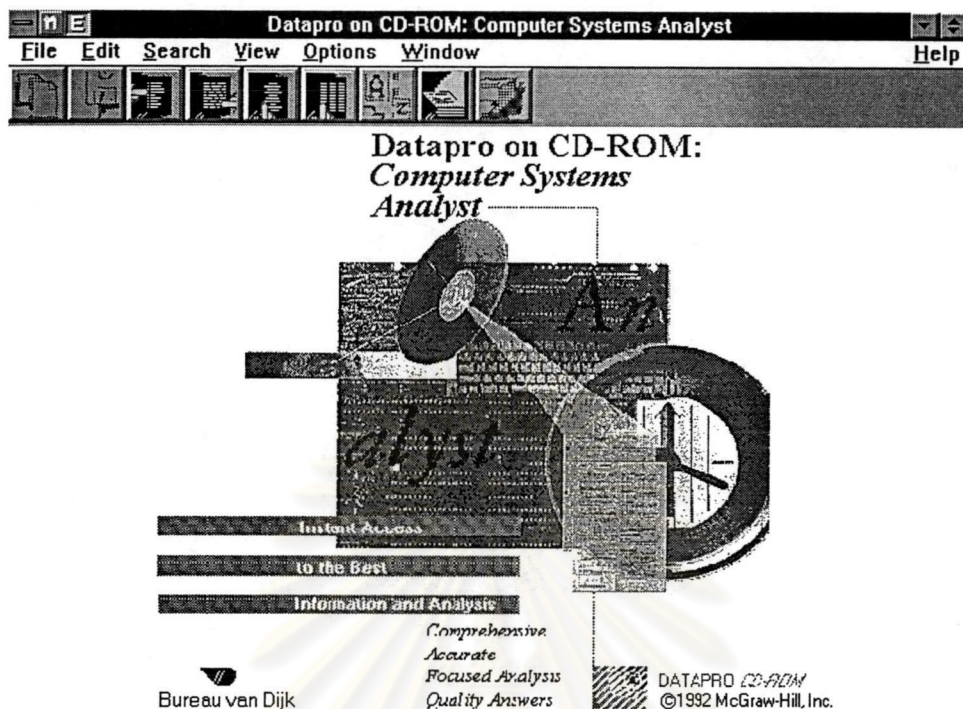
ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



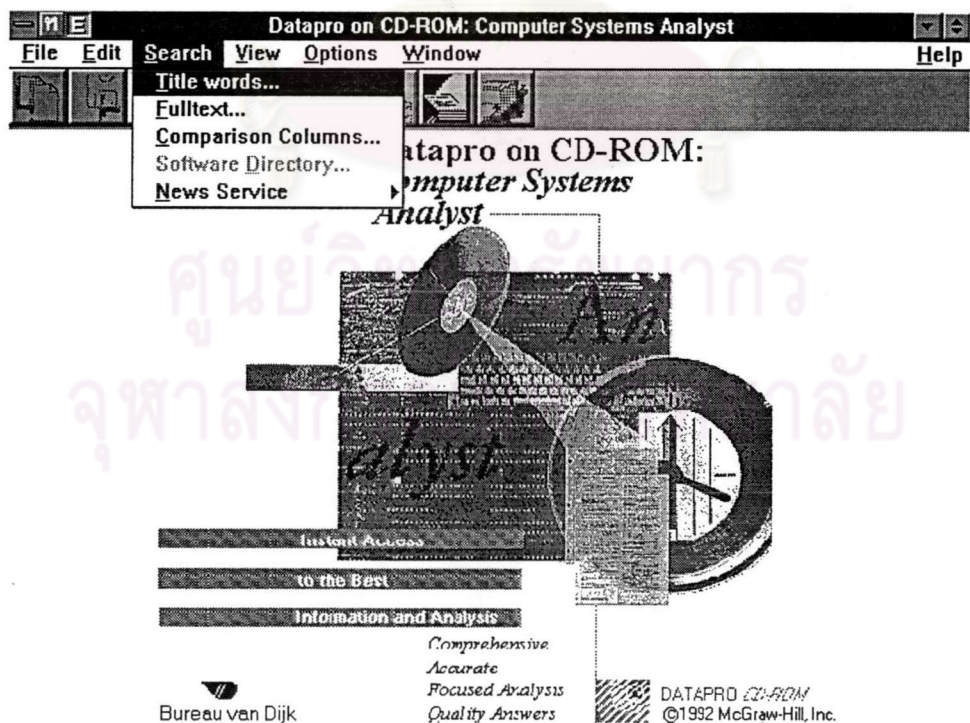
ภาคผนวก ข

ตัวอย่างจอภาพการแปลงข้อมูลจากซีดีรอมไปยังระบบฐานข้อมูลไมโครซอฟต์เอกเซล

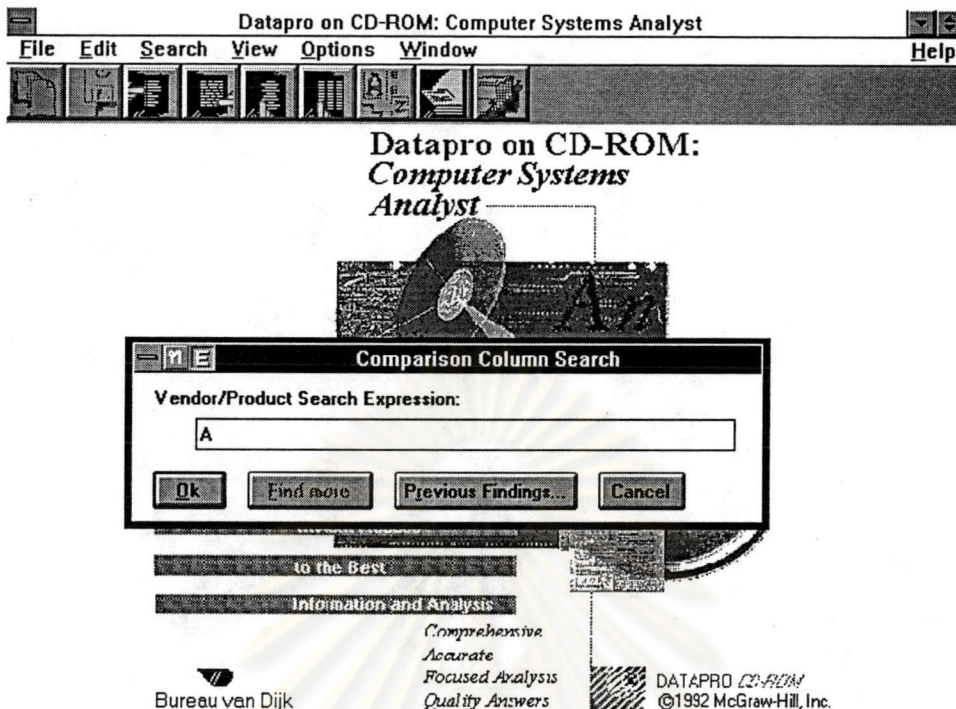
ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



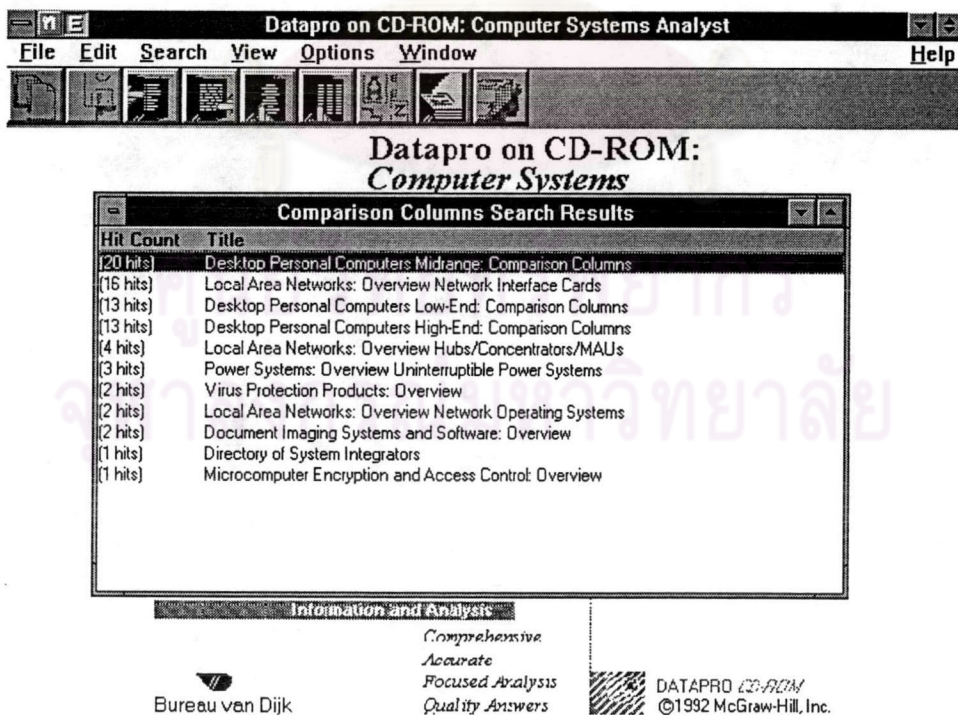
ข. 1 แสดงจอภาพหน้าจอหลักของดาต้าโปร



ข. 2 แสดงจอภาพการค้นหาข้อมูล



ข. 3 แสดงจอภาพการใส่ข้อมูลที่ต้องการค้นหา



ข. 4 แสดงจอภาพของรายการอุปกรณ์ที่ค้นหาพบ





Microsoft Excel มาตรฐาน - A1.CLP

File Edit View Insert Format Tools Data Window Help

100%

AngsanaUPC 14

	A	B	C	D	E	F	G	H	I	J	
1	&OEM Text	So	Artisoft, In	IBM	IBM	IBM	Invisible S	Invisible S	Schneider	Standard M	Standard M
2	Characteristics										
3	LANs Support	Arcnet	Ethernet (	CSMA/CD	Token-ring	Token-ring	Ethernet	Ethernet	FDDI	Ethernet	E
4	Microcomputer	ISA (AT)	EISA; ISA	MCA	MCA	MCA	MCA	MCA	ISA (AT)	MCA	M
5	Bus Size (bit)	16	16	None iden	16	8	16; 32	16	16	16	
6	RAM Buffer (b	16K	32K	None iden	16K	None	None iden	None iden	None iden	None iden	1
7	Maximum Data	2.5M	10M	2M	16M; 4M	4M	10M	10M	100M	10M	1
8	Media Support	Broadband	UTP; thick	Broadband	STP; UTP	STP; UTP	Thin Ether	Thin Ether	MCI-FDD	UTP; thick	U
9	Operating Syst	Novell Ne	LANtastic	LAN Serv	3+Open; L	3+Open; L	Net/30; Nc	Net/30; Nc	Novell Ne	3+Open; L	D
10	Pricing/Support										
11	Price (\$)	350	329	595	921	772	399	469	See comm	349	
12	Date of First D	Oct-91	Contact ve	1987	Nov-88	Oct-85	None iden	Jan-90	1991	Feb-90	N

Sheet1

ข. 7 แสดงการแปลงข้อมูลรายการอุปกรณ์ไปยังโปรแกรมไมโครซอฟต์เอกเซล

Microsoft Excel มาตรฐาน - A1.CLP

File Edit View Insert Format Tools Data Window Help

100%

AngsanaUPC 14

	A	B	C	D	E	F	G
40	IBM		Ethernet (	EISA; ISA	16	32K	10M
41	IBM		CSMA/CD	MCA	None iden	None iden	2M
42	IBM		Token-ring	MCA	16	16K	16M; 4M
43	Invisible Software		Token-ring	MCA	8	None	4M
44	Invisible Software						10M
45	Schneider & Koch & Co. Datensysteme						10M
46	Standard Microsystems Corp. (SMC)						100M
47	Standard Microsystems Corp. (SMC)						10M
48	Standard Microsystems Corp. (SMC)						10M
49	Standard Microsystems Corp. (SMC)						10M
50	Wang Laboratories, Inc.		Token-ring	MCA	16	64K	16M
51	Wang Laboratories, Inc. Product N7416-A 1.7		Ethernet	ISA (AT)	16	16K	10M

Sheet1

Paste Special

Paste

All

Formulas

Values

Formats

Notes

Skip blanks

Operation

None

Add

Subtract

Multiply

Divide

Transpose

OK

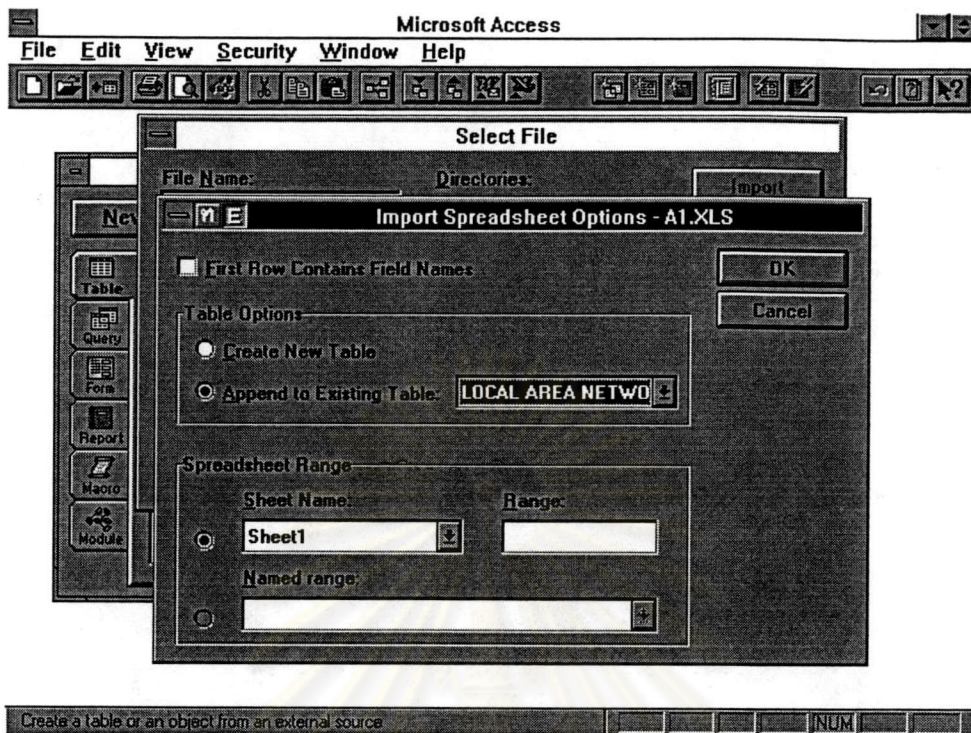
Cancel

Paste Link

Help

ข. 8 แสดงการแปลงข้อมูลสลับระหว่าง ROW กับ Coloum





ข. 9 แสดงจอภาพนำข้อมูลจากโมโครซอฟต์เอกเซลไปยังไมโครซอฟต์แอคเซส

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



ภาคผนวก ก

ตัวอย่างตาราง (TABLE)

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created: 26/07/1995 8:46:09 PM  
Last Updated: 26/07/1995 9:45:55 PM  
Row Height: 240

Def. Updatable: Yes  
Record Count: 2502

**Columns**

Name	Type	Size
word	Text	255
description	Memo	-



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	10/01/1993 8:15:22 AM	Def. Updatable:	Yes
Last Updated:	08/02/1993 5:47:30 AM	Record Count:	3704
Row Height:	225		

**Columns**

Name	Type	Size
word	Text	60
description	Memo	-



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created: 08/02/1993 5:49:27 AM      Def. Updatable: Yes  
 Last Updated: 08/02/1993 5:50:12 AM      Record Count: 5

**Columns**

Name	Type	Size
ContactID	Number (Long)	4
FirstName	Text	50
LastName	Text	50
OrganizationName	Text	50
Address	Text	255
WorkPhone	Text	30
Photograph	OLE Object	-
Note	Memo	-



ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created: 10/01/1993 8:18:07 AM      Def. Updatable: Yes  
Last Updated: 01/01/1995 3:50:40 AM      Record Count: 78

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
ENCRYPTION APPROACH	Text	255
MODEL TYPE	Text	255
FS 1027 OR FIPS 140 COMPLIANCE	Text	255
TERMINAL INTERFACE	Text	255
TRANSMISSION CONFIGURATION	Text	255
MODE	Text	255
SYNCHRONIZATION	Text	255
SYNCHRONOUS DATA RATE (BITS/SECOND)	Text	255
ASYNCHRONOUS DATA RATE (BITS/SECOND)	Text	255
NUMBER OF ALGORITHMS USED	Text	255
STANDARD ALGORITHM	Text	255
OPTIONAL ALGORITHM	Text	255
MODE SUPPORTED IN DES	Text	255
AUTOMATIC CIPHER SYNCHRONIZATION	Text	255
MESSAGE AUTHENTICATION	Text	255
WEAK/DUAL KEY DETECTION	Text	255
VOICE ENCRYPTION	Text	255
PROTOCOL	Text	255
CLEARTEXT OPERATION	Text	255
DIAGNOSTICS	Text	255
FAILSAFE OPERATION	Text	255
MECHANICAL LOCK CASE	Text	255
TAMPER RESISTANCE	Text	255
KEY SOURCE	Text	255
KEY GENERATION APPROACH	Text	255
KEY GENERATION UNIT	Text	255
KEY DISTRIBUTION	Text	255
KEYPOWER BACKUP	Text	255
PURCHASE PRICE	Text	255
DATE OF FIRST DELIVERY	Text	255
LISTED ON GSA SCHEDULE	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8



**Properties**

Date Created: 10/01/1993 8:16:00 AM      Def. Updatable: Yes  
 Last Updated: 01/01/1995 3:51:04 AM      Record Count: 123

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
DATE REVISED	Text	255
PROCESSOR	Text	255
NO OF PROCESSOR SUPPORT	Text	255
OVERDRIVE SOCKET	Text	255
CO-PROCESSOR	Text	255
STANDARD RAM (BYTES)	Text	255
MAXIMUM RAM (BYTES)	Text	255
PRIMARY CACHE (BYTES)	Text	255
SECONDARY CACHE :STD/OPT(BYTES)	Text	255
BUS ARCHITECTURE	Text	255
TOTAL EXPANSION SLOTS	Text	255
AVAILABLE EXPANSION SLOTS	Text	255
STANDARD SERIAL PORTS	Text	255
STANDARD PARALLEL PORTS	Text	255
HARD DISK INTERFACE	Text	255
PCM/CIA SLOTS	Text	255
OTHER INTERFACE	Text	255
TOTAL DRIVE BAYS	Text	255
AVAILABLE DRIVE BAYS 1	Text	255
AVAILABLE DRIVE BAYS 2	Text	255
STANDARD HARD DISK OPTIONS (BYTES)	Text	255
TAPE OPTION	Text	255
OTHER STORAGE OPTION (BYTES)	Text	255
LOCAL BUS TYPE	Text	255
LOCAL BUS SLOTS	Text	255
VRAM STANDARD\OPTION (BYTES)	Text	255
MAXIMUM RESOLUTION (PIXELS)	Text	255
SIMULTANEOUS COLORS AT MAX RESOLUTION	Text	255
MPC COMPLIANT	Text	255
NETWORK OPERATING SYSTEMS SUPPORTED	Text	255
OPERATING SYSTEM INCLUDED	Text	255
OTHER OPERATING SYSTEMS SUPPORTED	Text	255
TYPE OF SYSTEM	Text	255
DIMENSIONS (H-W-D INCHES)	Text	255
DIMENSIONS (H-W-D MM)	Text	255
ENERGY STAR COMPLIANT	Text	255
BASE PRICE	Text	255
COMMENTS	Text	255
ENTRY DATE	Date/Time	8

**Properties**

Date Created: 10/01/1993 8:16:05 AM      Def. Updatable: Yes  
Last Updated: 01/01/1995 3:51:24 AM      Record Count: 177

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
DATE REVISED	Text	255
PROCESSOR	Text	255
NO OF PROCESSOR SUPPORT	Text	255
OVERDRIVE SOCKET	Text	255
CO-PROCESSOR	Text	255
STANDARD RAM (BYTES)	Text	255
MAXIMUM RAM (BYTES)	Text	255
PRIMARY CACHE (BYTES)	Text	255
SECONDARY CACHE:STD/OPTIONAL (BYTES)	Text	255
BUS ARCHITECTURE	Text	255
TOTAL EXPANSION SLOTS	Text	255
AVAILABLE EXPANSION SLOTS	Text	255
STANDARD SERIAL PORTS	Text	255
STANDARD PARALLEL PORTS	Text	255
HARDDISK INTERFACE	Text	255
PCMCIA SLOTS	Text	255
OTHER I/O INTERFACE	Text	255
TOTAL DRIVE BAYS	Text	255
AVAILABLE DRIVE BAYS 1	Text	255
AVAILABLE DRIVE BAYS 2	Text	255
STANDARD HARD DISK OPTIONS (BYTES)	Text	255
TAPE OPTIONS	Text	255
OTHER STORAGE OPTIONS	Text	255
LOCAL BUS TYPE	Text	255
LOCAL BUS SLOTS	Text	255
VRAM STANDARD/OPTIONAL (BYTES)	Text	255
MAXIMUM RESOLUTION (PIXELS)	Text	255
SIMULTANEOUS COLORS AT MAX RESOLUTION	Text	255
MPC COMPLIANT	Text	255
NETWORK OPERATING SYSTEMS SUPPORTS	Text	255
OPERATING SYSTEM INCLUDED	Text	255
OTHER OPERATING SYSTEMS SUPPORTS	Text	255
TYPE OF SYSTEM	Text	255
DIMENSIONS (H-W-D INCHES)	Text	255
DIMENSIONS (H-W-D MM)	Text	255
ENERGY STAR COMPLIANT	Text	255
BASE PRICE	Text	255
COMMENTS	Text	255
ENTRY DATE	Date/Time	8

**Properties**

Date Created: 10/01/1993 8:16:10 AM Def. Updatable: Yes  
Last Updated: 01/01/1995 3:51:47 AM Record Count: 183

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
DATE REVISED	Text	255
PROCESSOR	Text	255
NO OF PROCESSORS SUPPORTED	Text	255
OVER DRIVE SOCKET	Text	255
CO PROCESSOR	Text	255
STANDARD RAM (BYTES)	Text	255
MAXIMUM RAM (BYTES)	Text	255
PRIMARY CACHE (BYTES)	Text	255
SECONDARY CACHE :STD/OPTIONAL (BYTES)	Text	255
BUS ARCHITECTURE	Text	255
TOTAL EXPANSION SLOTS	Text	255
AVAILABLE EXPANSION SLOTS	Text	255
STANDARD SERIAL PORTS	Text	255
STANDARD PARALLEL PORTS	Text	255
HARD DISK INTERFACE	Text	255
PCMCIA SLOTS	Text	255
OTHER I/O INTERFACE	Text	255
TOTAL DRIVE BAYS	Text	255
AVAILABLE DRIVE BAYS 1	Text	255
AVAILABLE DRIVE BAYS 2	Text	255
STANDARD HARD DISK OPTIONS (BYTES)	Text	255
TAPE OPTIONS	Text	255
OTHER STORAGE OPTIONS (BYTES)	Text	255
LOCAL BUS TYPE	Text	255
LOCAL BUS SLOTS	Text	255
VRAM STANDARD/OPTIONAL (BYTES)	Text	255
MAXIMUM RESOLUTION (PIXELS)	Text	255
SIMULTANEOUS COLORS AT MAX RESOLUTION	Text	255
MPC COMPLIANT	Text	255
NETWORK OPERATING SYSTEMS SUPPORTED	Text	255
OPERATING SYSTEM INCLUDED	Text	255
OTHER OPERATING SYSTEM SUPPORTED	Text	255
TYPE OF SYSTEM	Text	255
DIMENSIONS (H-W-D INCHES)	Text	255
DIMENSIONS (H-W-D MM)	Text	255
ENERGY STAR COMPLIANT	Text	255
BASE PRICE	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

**Properties**

Date Created: 10/01/1993 8:16:15 AM      Def. Updatable: Yes  
 Last Updated: 01/01/1995 3:52:05 AM      Record Count: 424

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
PROCESSOR/CLOCK SPEED (MHZ)	Text	255
CPU UPGRADE AVAILABLE	Text	255
STD/MAX RAM WITHOUT USING SLOTS (BYTES)	Text	255
SYSTEM RAM EXPANDABLE TO (BYTES)	Text	255
CACHE MEMORY INT/EXT (KB)	Text	255
CACHE MEMORY EXPANDABLE TO (KB)	Text	255
MAXIMUM GRAPHICS/RESOLUTION	Text	255
BUS TYPE	Text	255
EXPANSION SLOTS (32B/16B/8B) (TOTAL)	Text	255
DRIVE BAYS (TOTAL AVAILABLE)	Text	255
STANDARD/ INCLUDE DISKETTE DRIVE	Text	255
INT HARD DISK EXPANDABLE TO (BYTES)	Text	255
HARD DISK INTERFACE	Text	255
STANDARD PARALLEL PORT	Text	255
SINGLE UNIT PRICE	Text	255
STANDARD WARRANT (MONTHS)	Text	255
DATE ANNOUNCED	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created: 10/01/1993 8:17:11 AM      Def. Updatable: Yes  
Last Updated: 01/01/1995 3:52:23 AM      Record Count: 80

**Columns**

Name	Type	Size
SITE	Text	255
VENDOR	Text	255
TELEPHONE NUMBER FOR SITE	Text	255
SITE LOCATION (METRO AREA)	Text	255
TYPE OF SERVICES	Text	255
HOST SYSTEMS SUPPORTED	Text	255
DATA & TELECOMMUNICATIONS	Text	255
DATA CENTER SPACE PROVIDED	Text	255
WORK AREA RECOVERY	Text	255
MAXIMUM NUMBER OF TERMINALS	Text	255
PERIPHERALS SUPPORTED	Text	255
TIME AVAILABLE FOR TESTING	Text	255
NEAREST AIRPORT	Text	255
USER ACCESS TO FACILITY	Text	255
SECURITY GUARDS/SYSTEMS MONITORING SITE	Text	255
ALARM TYPE	Text	255
FIRE DETECTION & SUPPRESSION SYSTEMS	Text	255
EMERGENCY BACKUP SYSTEMS	Text	255
TECHNICAL SUPPORT	Text	255
ANCILLARY SERVICES	Text	255
ON-SITE DATA STORAGE FACILITIES	Text	255
CONSULTING SERVICES	Text	255
SUBSCRIPTION RATES	Text	255
TERM OF CONTRACT FOR SUBSCRIPTION	Text	255
DATE OF FIRST DELIVERY	Text	255
TOTAL NUMBER OF SUBSCRIBERS	Text	255
MAXIMUM SUBSCRIBERS PER HOT SITE	Text	255
NUMBER OF DECLARATIONS	Text	255
MULTIPLE DIASTER SUPPORT	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

**Properties**

Date Created: 10/01/1993 8:17:16 AM Def. Updatable: Yes  
Last Updated: 01/01/1995 3:52:40 AM Record Count: 60

**Columns**

Name	Type	Size
VENDOR	Text	255
ADDRESS	Text	255
TELEPHONE	Text	255
DATE ESTABLISHED	Text	255
NUMBER OF IMAGING SERVICE PROVIDERS	Text	255
NUMBER OF MANAGE SYSTEM INSTALLED	Text	255
ANNUAL SYSTEM INTEGRATION REVENUE	Text	255
ANNUAL REV DERIVED FR IMAGE (%)	Text	255
GEOGRAPHIC AREAS SERVED	Text	255
IMAGE CONSULT/INTEGRATION SERVICES	Text	255
VERTICAL MARKET INSTALL (%)	Text	255
APPLICATION INSTALLED	Text	255
TECHNOLOGIES UTILIZED	Text	255
VENDOR ENVIRONMENT	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created: 10/01/1993 8:17:20 AM Def. Updatable: Yes  
Last Updated: 01/01/1995 3:52:58 AM Record Count: 137

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
VIEW FEATURE	Text	255
IMAGE RETRIEVAL VIA	Text	255
STORAGE MEDIA SUPPORTED	Text	255
COMPRESSION / DECOMPRESSION STANDARDS	Text	255
IMPORT / EXPORT DOCUMENT FORMATS	Text	255
OCR SOFTWARE SUPPORTED	Text	255
QUALITY CONTROL ON SCANNER INPUT	Text	255
IMAGE INDEX DATABASE	Text	255
WORKFLOW CAPABILITIES PROVIDED	Text	255
WORKFLOW PROCESSING FEATURES	Text	255
CONFIGURATION ARCHITECTURE	Text	255
WORKSTATION (STANDALONE) MODEL	Text	255
WORKSTATION OPERATING SYSTEM	Text	255
SERVER (HOST) MODEL	Text	255
SERVER (HOST) OPERATING SYSTEM	Text	255
GRAPHICAL USER INTERFACE SUPPORT	Text	255
LOCAL AREA NETWORK SUPPORT	Text	255
APPLICATION DEVELOPMENT TOOLS	Text	255
INTERFACES TO EXISTING DATABASES	Text	255
PRICE (BASE SYSTEM)	Text	255
PROPRIETARY HARDWARE REQUIRED	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created: 10/01/1993 8:17:25 AM Def. Updatable: Yes  
 Last Updated: 01/01/1995 3:53:14 AM Record Count: 40

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
DATE AVAILABLE	Text	255
INSTALLATION PROVIDED BY	Text	255
SERVICED BY	Text	255
NUMBER INSTALLED	Text	255
COMPUTER SYSTEM SUPPORTED	Text	255
OPERATING SYSTEM	Text	255
PLATFORM	Text	255
USER INTERFACE	Text	255
DATABASE MANAGEMENT SYSTEMS	Text	255
STANDALONE AND API SUPPORT	Text	255
MAXIMUM NUMBER OF NODES MANAGE	Text	255
EMS INTERFACE AVALABLE	Text	255
EMS INTERFACE CAPABILITIES	Text	255
EMS INTERFACE METHOD	Text	255
NETWORK MANAGEMENT PROTOCOLS	Text	255
NETWORK MAP FEATURES	Text	255
CONFIGURATION FUNCTIONS	Text	255
FAULT ISOLATION	Text	255
FAULT/EVENT MANAGEMENT	Text	255
PERFORMANCE STATISTICS	Text	255
MANAGEMENT REPORTS	Text	255
SECURITY	Text	255
CHARGEBACK INFORMATION PROVIDED	Text	255
PRICE	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

**Properties**

Date Created: 10/01/1993 8:18:12 AM Def. Updatable: Yes  
Last Updated: 01/01/1995 3:53:43 AM Record Count: 48

**Columns**

Name	Type	Size
VENDOR	Text	255
ADDRESS	Text	255
TELEPHONE	Text	255
PRODUCT	Text	255
ARCHITECTURE	Text	255
TECHNOLOGY	Text	255
PROCESSOR MODEL/TYPE	Text	255
NUMBER OF PROCESSORS	Text	255
PROCESSOR CYCLE TIME (NS)	Text	255
CLOCK SPEED (MHZ)	Text	255
MINIMUM MEMORY PER PROCESSOR (BYTES)	Text	255
MAXIMUM MEMORY PER PROCESSOR (BYTES)	Text	255
MEMORY EXP/ INCREMENTS (BYTES)	Text	255
MINIMUM DISK STORAGE (BYTES)	Text	255
MAXIMUM DISK STORAGE(BYTES)	Text	255
BATTERY BACKUP	Text	255
RELATIVE PERFORMANCE	Text	255
MIPS RATING PER PROCESSOR	Text	255
TRANSACTIONS PER SECOND	Text	255
TPC-A (TPS) /\$ PER TPS	Text	255
SPEC MARKS	Text	255
BUS ARCHITECTURE	Text	255
MAXIMUM NUMBER OF COMMUNICATION LINES	Text	255
MAXIMUM I/O DATA RATE (BYTES/SEC)	Text	255
NETWORK ARCHITECTURE SUPPORTED	Text	255
PROTOCOLS SUPPORTED	Text	255
NETWORK OPERATION AND MANAGEMENT SYSTEMS	Text	255
OPERATING SYSTEM	Text	255
DATABASE MANAGEMENT SYSTEM	Text	255
STANDARD COMPLIED WITH	Text	255
HEIGHT (IN)	Text	255
WIDTH (IN)	Text	255
DEPTH (IN)	Text	255
WEIGHT (LB)	Text	255
TEMPERATURE RANGE	Text	255
HUMIDITY RANGE (%)	Text	255
PRIMARY MARKETS	Text	255
PRIMARY APPLICATION	Text	255
SERVICED BY	Text	255
ENTRY-LEVEL PRICE	Text	255
ENTRY-LEVEL PACKAGE CONFIGURATION	Text	255
DATA ANNOUNCED	Text	255
FIRST-CUSTOMER SHIPMENT	Text	50
COMMENT	Memo	-



Properties

Date Created: 10/01/1993 8:16:31 AM      Def. Updatable: Yes  
 Last Updated: 01/01/1995 3:53:59 AM      Record Count: 652

Columns

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
TYPE OF DEVICE	Text	255
CONFIGURATION	Text	255
LANS SUPPORTED	Text	255
MEDIA SUPPORTED	Text	255
MAX NUMBER OF PORTS SUPPORTED	Text	255
NETWORK MANAGEMENT SUPPORTED	Text	255
INTELLIGENT FEATURES	Text	255
PRICE	Text	255
DATE OF FIRST DELIVERY	Text	255
STANDARD WARRANTY	Text	255
SERVICE SUPPLIED BY	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created: 10/01/1993 8:16:37 AM Def. Updatable: Yes  
 Last Updated: 01/01/1995 3:54:16 AM Record Count: 1245

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
LANS SUPPORTED	Text	255
MICROCOMPUTER BUS SUPPORTED	Text	255
BUS SIZE (BIT)	Text	255
RAM BUFFER (BYTES)	Text	255
MAXIMUM DATA RATE (BPS)	Text	255
MEDIA SUPPORTED	Text	255
OPERATING SYSTEM SUPPORTED	Text	255
PRICE	Text	255
DATE OF FIRST DELIVERY	Text	255
STANDARD WARRANTY	Text	255
SERVICE SUPPLIED BY	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

C:\THESIS\ACCESS\COMSPEC.MDB

Tuesday, November 21, 1995

Table: LOCAL AREA NETWORK : OVERVIEW NETWORK OPERATING SYSTEM

Page: 1

Properties

Date Created: 10/01/1993 8:16:45 AM

Def. Updatable: Yes

Last Updated: 01/01/1995 3:54:33 AM

Record Count: 63

Columns

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
NETWORK OPERATING SYSTEM TYPE	Text	255
SERVER MEMORY REQUEST MIN (BYTES)	Text	255
SERVER OPERATING SYSTEM	Text	255
WORKSTATION MEMORY REQUEST MIN (BYTE)	Text	255
NETWORK INTERFACE STANDARDS SUPPORTED	Text	255
PROTOCOLS SUPPORTED	Text	255
LAN SUPPORTED	Text	255
PRICE	Text	255
DATE OF FIRST DELIVERY	Text	255
SUPPORT SUPPLIED BY	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created: 10/01/1993 8:17:38 AM Def. Updatable: Yes  
 Last Updated: 01/01/1995 3:54:50 AM Record Count: 74

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
FUNCTION	Text	255
CERTIFICATION	Text	255
COMPUTER SUPPORTED	Text	255
OPERATING SYSTEM SUPPORTED	Text	255
MINIMUM MEMORY (BYTES)	Text	255
RECOMMENDED MEMORY (BYTES)	Text	255
REQUIRED FREE HARD DISK SPACE (BYTES)	Text	255
NETWORK SUPPORTED	Text	255
USER INTERFACE	Text	255
ALGORITHM USED	Text	255
TYPE OF ENCRYPTION PROVIDED	Text	255
TYPE OF MATERIAL ENCRYPTION	Text	255
ENCRYPTION CHARACTERISTICS	Text	255
ENCRYPTION KEY MANAGEMENT	Text	255
NUMBER OF PASSWORD LEVELS	Text	255
PASSWORD/LOGON CHARACTERISTICS	Text	255
APPLIES ACCESS CONTROLS TO	Text	255
AUDIT REPORTS SUPPORTS	Text	255
AUDIT TRAIL & REPORTING CAPABILITIES	Text	255
ONETIME LICENCE/RETAIL PRICE	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	10/01/1993 8:15:37 AM	Def. Updatable:	Yes
Last Updated:	10/01/1993 8:24:31 AM	Record Count:	666
Row Height:	240		

**Columns**

Name	Type	Size
word	Text	255
description	Memo	-



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	10/01/1993 8:17:43 AM	Def. Updatable:	Yes
Last Updated:	01/01/1995 3:55:13 AM	Record Count:	213

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
PROCESSOR/SPEED (MHZ)	Text	255
STANDARD/MAXIMUM RAM (BYTES)	Text	255
DISPLAY SITE (INCHES,DIAGONAL)	Text	255
DISPLAY TECHNOLOGY	Text	255
MAX RESOLUTION (PIXELS) AND COLORS OR GRAYS	Text	255
EXT/MAX/RESOLUTION (PIXELS) AND NUMBER COLORS	Text	255
DUAL DISPLAY MODE	Text	255
KEYBOARD (NUMBER OF KEYS)	Text	255
POINTING DEVICE (INTERNAL/EXTERNAL)	Text	255
INTEGRATED AUDIO	Text	255
PCMCIA SLOTS (NUMBER AND TYPE)	Text	255
REMOVABLE DISK DRIVE	Text	255
PORT REPLICATOR/DOCKING STATION AVAILABLE	Text	255
BATTERY (HOURS/TYPE)	Text	255
WEIGHT W/BATTERY (POUNDS)	Text	255
DIMENSIONS (H-W-D INCHES)	Text	255
STANDARD WARRANTY (MONTHS)	Text	255
MINIMUM SINGLE-USER/STANDALONE PRICE	Text	255
SYSTEM TYPE	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created: 10/01/1993 8:16:49 AM  
 Last Updated: 01/01/1995 3:55:31 AM

Def. Updatable: Yes  
 Record Count: 76

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
TYPE OF SYSTEM	Text	255
BROWNOUTS	Text	255
NOISE	Text	255
SAGS	Text	255
SPIKES	Text	255
SURGES	Text	255
POWER RATING (KVA)	Text	255
INPUT VOLTAGE RANGE	Text	255
FREQUENCY	Text	255
OUTPUT VOLTAGE RANGE	Text	255
OUTPUT FREQUENCY	Text	255
LINE REGURATION (PLUS OR MINUS)	Text	255
INPUT CONNECTION	Text	255
OUTPUT RECEPTACLES	Text	255
DIMENSIONS (H-W-D INCHES)	Text	255
WEIGHT (LB)	Text	255
OPERATING TEMPERATURE RANGE (C)	Text	255
STORAGE TEMPERATURE (C)	Text	255
HUMIDITY (% NONCONDENSING)	Text	255
PRICE	Text	255
SERVICED BY	Text	255
DATE AVAILABLE	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	10/01/1993 8:16:54 AM	Def. Updatable:	Yes
Last Updated:	01/01/1995 3:55:47 AM	Record Count:	123

**Columns**

Name	Type	Size
VERDOR	Text	255
PRODUCT	Text	255
UPS TYPE	Text	255
COMPUTER SYSTEM SUPPORTED	Text	255
POWER RATING (KVA)	Text	255
INPUT VOLTAGE RANGE	Text	255
INPUT FREQUENCY	Text	255
OUTPUT POWER (VA)	Text	255
FREQUENCY	Text	255
HARMONIC DISTORTION	Text	255
POWER FACTOR (LEAD/LAG)	Text	255
EXTERNAL BATTERY AVAILABLE	Text	255
INTERNAL BATTERY AVAILABLE	Text	255
BATTERY TYPE	Text	255
FULL LOAD/HALF LOAD (MINUTES)	Text	255
INPUT CONNECTION	Text	255
OUTPUT RECEPTACLES	Text	255
DIMENSIONS (H-W-D INCHES)	Text	255
WEIGHT (LB)	Text	255
OPERATING TEMPERATURE RANGE (C)	Text	255
STORAGE TEMPERATURE RANGE (C)	Text	255
HUMIDITY (% NONCONDENSING)	Text	255
HEAT DISSIPATION (BTU)	Text	255
OPERATING NOISE LEVEL (DB)	Text	255
PRICE	Text	255
SERVICE BY	Text	255
DATE AVAILABLE	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

**Properties**Date Created: 29/05/1995 2:33:13 PM  
Last Updated: 08/02/1993 6:36:27 AMDef. Updatable: Yes  
Record Count: 43**Columns**

Name	Type	Size
TYPE OF DEVICE	Text	50
PRODUCT NAME	Text	50
VENDOR	Text	50
AMOUNT	Number (Double)	8
PRICE	Text	50
TOTAL PRICE	Text	50
SPEC TYPE	Number (Double)	8



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created: 10/01/1993 8:17:47 AM Def. Updatable: Yes  
Last Updated: 01/01/1995 3:56:06 AM Record Count: 52

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
COMPUTER SYSTEMS SUPPORTED	Text	255
OPERATING SYSTEMS	Text	255
MINIMUM MEMORY (BYTES)	Text	255
RAM USED BY LOADED PROGRAM (BYTES)	Text	255
REQUIRED FREE HARD DISK SPACE (BYTES)	Text	255
COPY PROTECTED	Text	255
NETWORK SUPPORTED	Text	255
ON-LINE HELP	Text	255
SCANS FOR VIRUSES	Text	255
DESTROYS VIRUSES WHEN FOUND	Text	255
REPAIRS INFECTED FILES	Text	255
SCANNING TOOL FOR NEW/UNKNOWN VIRUSES	Text	255
OPERATION	Text	255
PROGRAM CHECK FOR	Text	255
ONETIME LICENSE/PURCHASE PRICE	Text	255
SITE LICENSE AVAILABLE	Text	255
NETWORK LICENSE AVAILABLE	Text	255
DISTRIBUTION CHANNELS	Text	255
SUPPORT SERVICES	Text	255
LENGTH OF WARRANTY	Text	255
UPGRADE POLICY	Text	255
COST OF UPGRADES	Text	255
FIRST RELEASED	Text	255
ON GSA SCHEDULE	Text	255
ENTRY DATE	Date/Time	8

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created: 10/01/1993 8:17:51 AM Def. Updatable: Yes  
Last Updated: 01/01/1995 3:56:23 AM Record Count: 26

**Columns**

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
PRODUCT TYPE	Text	255
ALGORITHM	Text	255
INTERNAL MODEM	Text	255
MODEM SPEED	Text	255
APPLICATIONS FOR PRODUCT	Text	255
ENCRYPTION METHOD	Text	255
SCRAMBLING TECHNIQUE	Text	255
CLEARTEXT OPERATION	Text	255
KEY MANAGEMENT PROCEDURES	Text	255
KEY LENGTH	Text	255
RATE OF KEY CHANGE	Text	255
KEY SELECTION	Text	255
CODES AVAILABLE	Text	255
SAMPLE RATE	Text	255
SYNCHRONIZATION	Text	255
REQUIRED BANDWIDTH (HZ)	Text	255
OPERATION MODE	Text	255
SYSTEM DELAY	Text	255
DATA RATE SUPPORTED (BPS)	Text	255
INTERFACE	Text	255
DIMENSIONS (H-W-L INCHES)	Text	255
WEIGHT	Text	255
POWER REQUIREMENTS	Text	255
NATIONAL SECURITY AGENCY APPROVAL	Text	255
TEMPEST APPROVED	Text	255
DIALING METHOD	Text	255
FAIL-SAFE OPERATION	Text	255
TAMPERPROOF CASE	Text	255
DIAGNOSTICS SUPPORTED	Text	255
HANDSET INCLUDED	Text	255
PRICE	Text	255
WARRANTY	Text	255
VENDOR SUPPORT	Text	255
DATE OF FIRST DELIVERY	Text	255
NUMBER INSTALLED	Text	255
COMMENT	Text	255
ENTRY DATE	Date/Time	8

Properties

Date Created: 10/01/1993 8:18:17 AM Def. Updatable: Yes  
Last Updated: 01/01/1995 3:56:40 AM Record Count: 64

Columns

Name	Type	Size
VENDOR	Text	255
PRODUCT	Text	255
MICROPROCESSOR CLOCK SPEED (MHZ)	Text	255
NUMBER OF PROCESSOR SUPPORT	Text	255
PROCESSOR ARRANGEMENT	Text	255
CO-PROCESSOR INCLUDED	Text	255
RAM MIN/MAX BYTES	Text	255
CACHE DATA / INSTRUCTION (BYTES)	Text	255
BUS ARCHITECTURE	Text	255
NUMBER OF EXPANSION SLOTS	Text	255
NUMBER OF STANDARD PARALLEL PORT	Text	255
NUMBER OF STANDARD SERIAL PORT	Text	255
PERIPHERAL INTERFACES	Text	255
STANDARD HARD DISK STORAGE (BYTES)	Text	255
MAXIMUM HARD DISK STORAGE (BYTES)	Text	255
DISK DRIVE CAPACITIES (BYTES)	Text	255
TAPE DRIVE TYPE SUPPORTED -1	Text	255
TAPE DRIVE TYPE SUPPORTED-2	Text	255
SPEC MARKS PER PROCESSOR	Text	255
SPEC FP92	Text	255
SPEC INT92	Text	255
MIPS	Text	255
MFLOPS RATING	Text	255
TPC-A TRANSACTION PER SEC	Text	255
COST PER TPS (A) \$	Text	255
DATA BASE USED (A)	Text	255
OPERATING SYSTEM REVISION (A)	Text	255
TPC-B TRANSACTION PER SEC	Text	255
COST PER TPS (B) \$	Text	255
DATA BASE USED (B)	Text	255
OPERATING SYSTEM REVISION (B)	Text	255
BUILT-IN NETWORK INTERFACE	Text	255
NETWORKING PROTOCOLS SUPPORTED	Text	255
OPERATING SYSTEM	Text	255
DERIVED FROM	Text	255
LANGUAGES SUPPORTED	Text	255
DATABASE SUPPORTED	Text	255
HIGHT X WIDTH X DEPTH (INCHES)	Text	255
WEIGHT (LB)	Text	255
SUGGESTED RETAIL PRICE	Text	255
ENTRY-LEVEL PACKAGE CONFIGURATION	Text	255
COMMENTS	Text	255
ENTRY DATE	Date/Time	8





ภาคผนวก ง

ตัวอย่าง กิรี (QUERY)

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	30/5/95 10:08:25 AM	Def. Updatable:	Yes
Last Updated:	23/11/93 3:57:30 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB DATA ENCRYPTION]![Field32] AS Expr1, [Forms]![SUB DATA
ENCRYPTION]![Field35] AS Expr2, [Forms]![SUB DATA ENCRYPTION]![Field37] AS Expr3, [Forms]![SUB
DATA ENCRYPTION]![VENDOR] AS Expr4, [Forms]![SUB DATA ENCRYPTION]![PRODUCT] AS Expr5,
[Forms]![SUB DATA ENCRYPTION]![PURCHASE PRICE] AS Expr6, [Forms]![SUB DATA
ENCRYPTION]![PURCHASE PRICE]*[Forms]![SUB DATA ENCRYPTION]![Field35] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB DATA ENCRYPTION]![Field32]	Text
Forms![SUB DATA ENCRYPTION]![Field35]	Text
Forms![SUB DATA ENCRYPTION]![Field37]	Text
Forms![SUB DATA ENCRYPTION]![VENDOR]	Text
Forms![SUB DATA ENCRYPTION]![PRODUCT]	Text
Forms![SUB DATA ENCRYPTION]![PURCHASE PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	25/3/91 8:16:09 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 8:29:32 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB DESKTOP SYSTEM]![Field32] AS Expr1, [Forms]![SUB DESKTOP
SYSTEM]![Field35] AS Expr2, [Forms]![SUB DESKTOP SYSTEM]![Field37] AS Expr3, [Forms]![SUB
DESKTOP SYSTEM]![VENDOR] AS Expr4, [Forms]![SUB DESKTOP SYSTEM]![PRODUCT] AS Expr5,
[Forms]![SUB DESKTOP SYSTEM]![SINGLE UNIT PRICE] AS Expr6, [Forms]![SUB DESKTOP
SYSTEM]![SINGLE UNIT PRICE]*[Forms]![SUB DESKTOP SYSTEM]![Field35] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB DESKTOP SYSTEM]!Field32	Text
Forms![SUB DESKTOP SYSTEM]!Field35	Text
Forms![SUB DESKTOP SYSTEM]!Field37	Text
Forms![SUB DESKTOP SYSTEM]!VENDOR	Text
Forms![SUB DESKTOP SYSTEM]!PRODUCT	Text
Forms![SUB DESKTOP SYSTEM]!SINGLE UNIT PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	23/11/93 3:57:54 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 6:04:04 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], [SPEC TYPE], VENDOR )
SELECT DISTINCTROW [Forms]![SUB DIASTER RECOVERY SITES]![Field32] AS Expr1, [Forms]![SUB
DIASTER RECOVERY SITES]![Field37] AS Expr3, [Forms]![SUB DIASTER RECOVERY SITES]![VENDOR]
AS Expr4;
```

**Query Parameters**

Name	Type
Forms![SUB DIASTER RECOVERY SITES]!Field32	Text
Forms![SUB DIASTER RECOVERY SITES]!Field37	Text
Forms![SUB DIASTER RECOVERY SITES]!VENDOR	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

ศูนย์วิทยบริการ  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	25/3/91 8:30:36 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 7:27:50 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], [SPEC TYPE], VENDOR )
SELECT DISTINCTROW [Forms]![SUB DIRECTORY OF SYSTEM INTEGRATORS]![Field32] AS Expr1,
[Forms]![SUB DIRECTORY OF SYSTEM INTEGRATORS]![Field37] AS Expr2, [Forms]![SUB DIRECTORY
OF SYSTEM INTEGRATORS]![VENDOR] AS Expr3;
```

**Query Parameters**

Name	Type
Forms![SUB DIRECTORY OF SYSTEM INTEGRATORS]![Field32]	Text
Forms![SUB DIRECTORY OF SYSTEM INTEGRATORS]![Field37]	Text
Forms![SUB DIRECTORY OF SYSTEM INTEGRATORS]![VENDOR]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	25/3/91 8:40:42 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 8:44:24 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PORDUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB DOCUMENT IMAGE SYSTEM]![Field32] AS Expr1, [Forms]![SUB
DOCUMENT IMAGE SYSTEM]![Field35] AS Expr2, [Forms]![SUB DOCUMENT IMAGE SYSTEM]![Field37]
AS Expr3, [Forms]![SUB DOCUMENT IMAGE SYSTEM]![VENDOR] AS Expr4, [Forms]![SUB DOCUMENT
IMAGE SYSTEM]![PRODUCT] AS Expr5, [Forms]![SUB DOCUMENT IMAGE SYSTEM]![PRICE (BASE
SYSTEM)] AS Expr6, [Forms]![SUB DOCUMENT IMAGE SYSTEM]![Field35]*[Forms]![SUB DOCUMENT
IMAGE SYSTEM]![PRICE (BASE SYSTEM)] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB DOCUMENT IMAGE SYSTEM]!Field32	Text
Forms![SUB DOCUMENT IMAGE SYSTEM]!Field35	Text
Forms![SUB DOCUMENT IMAGE SYSTEM]!Field37	Text
Forms![SUB DOCUMENT IMAGE SYSTEM]!VENDOR	Text
Forms![SUB DOCUMENT IMAGE SYSTEM]!PRODUCT	Text
Forms![SUB DOCUMENT IMAGE SYSTEM]![PRICE (BASE SYSTEM)]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	25/3/91 8:50:52 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 8:54:49 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB ENTERPRISE NMS]![Field32] AS Expr1, [Forms]![SUB
ENTERPRISE NMS]![Field35] AS Expr2, [Forms]![SUB ENTERPRISE NMS]![Field37] AS Expr3,
[Forms]![SUB ENTERPRISE NMS]![VENDOR] AS Expr4, [Forms]![SUB ENTERPRISE NMS]![PRODUCT] AS
Expr5, [Forms]![SUB ENTERPRISE NMS]![PRICE] AS Expr6, [Forms]![SUB ENTERPRISE
NMS]![Field35]*[Forms]![SUB ENTERPRISE NMS]![PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB ENTERPRISE NMS]!Field32	Text
Forms![SUB ENTERPRISE NMS]!Field35	Text
Forms![SUB ENTERPRISE NMS]!Field37	Text
Forms![SUB ENTERPRISE NMS]!VENDOR	Text
Forms![SUB ENTERPRISE NMS]!PRODUCT	Text
Forms![SUB ENTERPRISE NMS]!PRICE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	25/3/91 9:04:48 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 9:08:35 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB FAULT-TOLERANT SYSTEM]![Field32] AS Expr1, [Forms]![SUB
FAULT-TOLERANT SYSTEM]![Field35] AS Expr2, [Forms]![SUB FAULT-TOLERANT SYSTEM]![Field37] AS
Expr3, [Forms]![SUB FAULT-TOLERANT SYSTEM]![VENDOR] AS Expr4, [Forms]![SUB FAULT-TOLERANT
SYSTEM]![PRODUCT] AS Expr5, [Forms]![SUB FAULT-TOLERANT SYSTEM]![ENTRY-LEVEL PRICE] AS
Expr6, [Forms]![SUB FAULT-TOLERANT SYSTEM]![Field35]*[Forms]![SUB FAULT-TOLERANT
SYSTEM]![ENTRY-LEVEL PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB FAULT-TOLERANT SYSTEM]!Field32	Text
Forms![SUB FAULT-TOLERANT SYSTEM]!Field35	Text
Forms![SUB FAULT-TOLERANT SYSTEM]!Field37	Text
Forms![SUB FAULT-TOLERANT SYSTEM]!VENDOR	Text
Forms![SUB FAULT-TOLERANT SYSTEM]!PRODUCT	Text
Forms![SUB FAULT-TOLERANT SYSTEM]!ENTRY-LEVEL PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	25/3/91 9:14:34 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 7:32:52 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB LAN HUB/CONCENTRATOR/MUA]![Field32] AS Expr1,
[Forms]![SUB LAN HUB/CONCENTRATOR/MUA]![Field35] AS Expr2, [Forms]![SUB LAN
HUB/CONCENTRATOR/MUA]![Field37] AS Expr3, [Forms]![SUB LAN
HUB/CONCENTRATOR/MUA]![VENDOR] AS Expr4, [Forms]![SUB LAN
HUB/CONCENTRATOR/MUA]![PRODUCT] AS Expr5, [Forms]![SUB LAN
HUB/CONCENTRATOR/MUA]![PRICE] AS Expr6, [Forms]![SUB LAN
HUB/CONCENTRATOR/MUA]![Field35]*[Forms]![SUB LAN HUB/CONCENTRATOR/MUA]![PRICE] AS Expr7
```

**Query Parameters**

Name	Type
Forms![SUB LAN HUB/CONCENTRATOR/MUA]!Field32	Text
Forms![SUB LAN HUB/CONCENTRATOR/MUA]!Field35	Text
Forms![SUB LAN HUB/CONCENTRATOR/MUA]!Field37	Text
Forms![SUB LAN HUB/CONCENTRATOR/MUA]!VENDOR	Text
Forms![SUB LAN HUB/CONCENTRATOR/MUA]!PRODUCT	Text
Forms![SUB LAN HUB/CONCENTRATOR/MUA]!PRICE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	25/3/91 9:22:31 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 9:27:15 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ([TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE])
SELECT DISTINCTROW [Forms]![SUB LAN NETWORK INTERFACE CARD]![Field32] AS Expr1,
[Forms]![SUB LAN NETWORK INTERFACE CARD]![Field35] AS Expr2, [Forms]![SUB LAN NETWORK
INTERFACE CARD]![Field37] AS Expr3, [Forms]![SUB LAN NETWORK INTERFACE CARD]![VENDOR] AS
Expr4, [Forms]![SUB LAN NETWORK INTERFACE CARD]![PRODUCT] AS Expr5, [Forms]![SUB LAN
NETWORK INTERFACE CARD]![PRICE] AS Expr6, [Forms]![SUB LAN NETWORK INTERFACE
CARD]![Field35]*[Forms]![SUB LAN NETWORK INTERFACE CARD]![PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB LAN NETWORK INTERFACE CARD]!Field32	Text
Forms![SUB LAN NETWORK INTERFACE CARD]!Field35	Text
Forms![SUB LAN NETWORK INTERFACE CARD]!Field37	Text
Forms![SUB LAN NETWORK INTERFACE CARD]!VENDOR	Text
Forms![SUB LAN NETWORK INTERFACE CARD]!PRODUCT	Text
Forms![SUB LAN NETWORK INTERFACE CARD]!PRICE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	25/3/91 9:31:38 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 9:35:31 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB LAN NETWORK OPERATING SYSTEM]![Field32] AS Expr1,
[Forms]![SUB LAN NETWORK OPERATING SYSTEM]![Field35] AS Expr2, [Forms]![SUB LAN NETWORK
OPERATING SYSTEM]![Field37] AS Expr3, [Forms]![SUB LAN NETWORK OPERATING
SYSTEM]![VENDOR] AS Expr4, [Forms]![SUB LAN NETWORK OPERATING SYSTEM]![PRODUCT] AS
Expr5, [Forms]![SUB LAN NETWORK OPERATING SYSTEM]![PRICE] AS Expr6, [Forms]![SUB LAN
NETWORK OPERATING SYSTEM]![Field35]*[Forms]![SUB LAN NETWORK OPERATING
SYSTEM]![PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB LAN NETWORK OPERATING SYSTEM]!Field32	Text
Forms![SUB LAN NETWORK OPERATING SYSTEM]!Field35	Text
Forms![SUB LAN NETWORK OPERATING SYSTEM]!Field37	Text
Forms![SUB LAN NETWORK OPERATING SYSTEM]!VENDOR	Text
Forms![SUB LAN NETWORK OPERATING SYSTEM]!PRODUCT	Text
Forms![SUB LAN NETWORK OPERATING SYSTEM]!PRICE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	25/3/91 9:40:36 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 9:47:12 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB MICRO COMPUTER ENCRYPTION ACCESS]![Field32] AS Expr1,
[Forms]![SUB MICRO COMPUTER ENCRYPTION ACCESS]![Field35] AS Expr2, [Forms]![SUB MICRO
COMPUTER ENCRYPTION ACCESS]![Field37] AS Expr3, [Forms]![SUB MICRO COMPUTER
ENCRYPTION ACCESS]![VENDOR] AS Expr4, [Forms]![SUB MICRO COMPUTER ENCRYPTION
ACCESS]![PRODUCT] AS Expr5, [Forms]![SUB MICRO COMPUTER ENCRYPTION ACCESS]![ONETIME
LICENCE/RETAIL PRICE] AS Expr6, [Forms]![SUB MICRO COMPUTER ENCRYPTION
ACCESS]![Field35]*[Forms]![SUB MICRO COMPUTER ENCRYPTION ACCESS]![ONETIME
LICENCE/RETAIL PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB MICRO COMPUTER ENCRYPTION ACCESS]!Field32	Text
Forms![SUB MICRO COMPUTER ENCRYPTION ACCESS]!Field35	Text
Forms![SUB MICRO COMPUTER ENCRYPTION ACCESS]!Field37	Text
Forms![SUB MICRO COMPUTER ENCRYPTION ACCESS]!VENDOR	Text
Forms![SUB MICRO COMPUTER ENCRYPTION ACCESS]!PRODUCT	Text
Forms![SUB MICRO COMPUTER ENCRYPTION ACCESS]!ONETIME LICENCE/RE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	24/11/93 3:37:59 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 3:40:44 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ([TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE])
SELECT DISTINCTROW [Forms]![SUB PC HIGH-END]![Field32] AS Expr1, [Forms]![SUB PC HIGH-
END]![Field35] AS Expr2, [Forms]![SUB PC HIGH-END]![Field37] AS Expr3, [Forms]![SUB PC HIGH-
END]![VENDOR] AS Expr4, [Forms]![SUB PC HIGH-END]![PRODUCT] AS Expr5, [Forms]![SUB PC HIGH-
END]![BASE PRICE] AS Expr6, [Forms]![SUB PC HIGH-END]![Field35]*[Forms]![SUB PC HIGH-END]![BASE
PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB PC HIGH-END]!Field32	Text
Forms![SUB PC HIGH-END]!Field35	Text
Forms![SUB PC HIGH-END]!Field37	Text
Forms![SUB PC HIGH-END]!VENDOR	Text
Forms![SUB PC HIGH-END]!PRODUCT	Text
Forms![SUB PC HIGH-END]![BASE PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	24/11/93 3:48:48 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 8:02:31 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```

INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB PC LOW-END]![Field32] AS Expr1, [Forms]![SUB PC LOW-
END]![Field35] AS Expr2, [Forms]![SUB PC LOW-END]![Field37] AS Expr3, [Forms]![SUB PC LOW-
END]![VENDOR] AS Expr4, [Forms]![SUB PC LOW-END]![PRODUCT] AS Expr5, [Forms]![SUB PC LOW-
END]![BASE PRICE] AS Expr6, [Forms]![SUB PC LOW-END]![Field35]*[Forms]![SUB PC LOW-END]![BASE
PRICE] AS Expr7;

```

**Query Parameters**

Name	Type
Forms![SUB PC LOW-END]![Field32]	Text
Forms![SUB PC LOW-END]![Field35]	Text
Forms![SUB PC LOW-END]![Field37]	Text
Forms![SUB PC LOW-END]![VENDOR]	Text
Forms![SUB PC LOW-END]![PRODUCT]	Text
Forms![SUB PC LOW-END]![BASE PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	24/11/93 3:45:16 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 7:57:00 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB PC MID-RANGE]![Field32] AS Expr1, [Forms]![SUB PC MID-
RANGE]![Field35] AS Expr2, [Forms]![SUB PC MID-RANGE]![Field37] AS Expr3, [Forms]![SUB PC MID-
RANGE]![VENDOR] AS Expr4, [Forms]![SUB PC MID-RANGE]![PRODUCT] AS Expr5, [Forms]![SUB PC
MID-RANGE]![BASE PRICE] AS Expr6, [Forms]![SUB PC MID-RANGE]![Field35]*[Forms]![SUB PC MID-
RANGE]![BASE PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB PC MID-RANGE]!Field32	Text
Forms![SUB PC MID-RANGE]!Field35	Text
Forms![SUB PC MID-RANGE]!Field37	Text
Forms![SUB PC MID-RANGE]!VENDOR	Text
Forms![SUB PC MID-RANGE]!PRODUCT	Text
Forms![SUB PC MID-RANGE]![BASE PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created: 24/11/93 3:56:23 PM Def. Updatable: Yes  
 Last Updated: 24/11/93 4:01:09 PM ODBC Timeout: 60  
 Record Locks: No Locks Returns Records: Yes  
 Type: Append

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ([TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PORDUCT NAME], [TOTAL PRICE], PRICE )
SELECT DISTINCTROW [Forms]![SUB PORTABLE SYSTEM]![Field32] AS Expr1, [Forms]![SUB
PORTABLE SYSTEM]![Field35] AS Expr2, [Forms]![SUB PORTABLE SYSTEM]![Field37] AS Expr3,
[Forms]![SUB PORTABLE SYSTEM]![VENDOR] AS Expr4, [Forms]![SUB PORTABLE
SYSTEM]![PRODUCT] AS Expr5, [Forms]![SUB PORTABLE SYSTEM]![Field35]*[Forms]![SUB PORTABLE
SYSTEM]![MINIMUM SINGLE-USER/STANDALONE PRICE] AS Expr7, [Forms]![SUB PORTABLE
SYSTEM]![MINIMUM SINGLE-USER/STANDALONE PRICE] AS Expr6;
```

**Query Parameters**

Name	Type
Forms![SUB PORTABLE SYSTEM]!Field32	Text
Forms![SUB PORTABLE SYSTEM]!Field35	Text
Forms![SUB PORTABLE SYSTEM]!Field37	Text
Forms![SUB PORTABLE SYSTEM]!VENDOR	Text
Forms![SUB PORTABLE SYSTEM]!PRODUCT	Text
Forms![SUB PORTABLE SYSTEM]![MINIMUM SINGLE-USER/STANDALONE PRIC	Text

**User Permissions**

admin Delete, Read Permissions, Set Permissions, Change Owner  
 guest

**Group Permissions**

Admins Delete, Read Permissions, Set Permissions, Change Owner  
 Guests  
 Users Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	24/11/93 4:05:59 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 4:08:09 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ([TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE])
SELECT DISTINCTROW [Forms]![SUB POWERAIR]![Field32] AS Expr1, [Forms]![SUB
POWERAIR]![Field35] AS Expr2, [Forms]![SUB POWERAIR]![Field37] AS Expr3, [Forms]![SUB
POWERAIR]![VENDOR] AS Expr4, [Forms]![SUB POWERAIR]![PRODUCT] AS Expr5, [Forms]![SUB
POWERAIR]![PRICE] AS Expr6, [Forms]![SUB POWERAIR]![Field35]*[Forms]![SUB POWERAIR]![PRICE]
AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB POWERAIR]!Field32	Text
Forms![SUB POWERAIR]!Field35	Text
Forms![SUB POWERAIR]!Field37	Text
Forms![SUB POWERAIR]!VENDOR	Text
Forms![SUB POWERAIR]!PRODUCT	Text
Forms![SUB POWERAIR]!PRICE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	24/11/93 4:12:35 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 4:14:28 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB UPS]![Field32] AS Expr1, [Forms]![SUB UPS]![Field35] AS Expr2,
[Forms]![SUB UPS]![Field37] AS Expr3, [Forms]![SUB UPS]![VERDOR] AS Expr4, [Forms]![SUB
UPS]![PRODUCT] AS Expr5, [Forms]![SUB UPS]![PRICE] AS Expr6, [Forms]![SUB
UPS]![Field35]*[Forms]![SUB UPS]![PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB UPS]!Field32	Text
Forms![SUB UPS]!Field35	Text
Forms![SUB UPS]!Field37	Text
Forms![SUB UPS]!VERDOR	Text
Forms![SUB UPS]!PRODUCT	Text
Forms![SUB UPS]!PRICE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	24/11/93 4:19:17 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 4:21:43 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB VIRUS PROTECTION]![Field32] AS Expr1, [Forms]![SUB VIRUS
PROTECTION]![Field35] AS Expr2, [Forms]![SUB VIRUS PROTECTION]![Field37] AS Expr3, [Forms]![SUB
VIRUS PROTECTION]![VENDOR] AS Expr4, [Forms]![SUB VIRUS PROTECTION]![PRODUCT] AS Expr5,
[Forms]![SUB VIRUS PROTECTION]![ONETIME LICENSE/PURCHASE PRICE] AS Expr6, [Forms]![SUB
VIRUS PROTECTION]![Field35]*[Forms]![SUB VIRUS PROTECTION]![ONETIME LICENSE/PURCHASE
PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB VIRUS PROTECTION]![Field32]	Text
Forms![SUB VIRUS PROTECTION]![Field35]	Text
Forms![SUB VIRUS PROTECTION]![Field37]	Text
Forms![SUB VIRUS PROTECTION]![VENDOR]	Text
Forms![SUB VIRUS PROTECTION]![PRODUCT]	Text
Forms![SUB VIRUS PROTECTION]![ONETIME LICENSE/PURCHASE PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	24/11/93 4:29:35 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 4:31:40 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ( [TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB VOICE SECURITY DEVICES]![Field32] AS Expr1, [Forms]![SUB
VOICE SECURITY DEVICES]![Field35] AS Expr2, [Forms]![SUB VOICE SECURITY DEVICES]![Field37] AS
Expr3, [Forms]![SUB VOICE SECURITY DEVICES]![VENDOR] AS Expr4, [Forms]![SUB VOICE SECURITY
DEVICES]![PRODUCT] AS Expr5, [Forms]![SUB VOICE SECURITY DEVICES]![PRICE] AS Expr6,
[Forms]![SUB VOICE SECURITY DEVICES]![Field35]*[Forms]![SUB VOICE SECURITY DEVICES]![PRICE]
AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB VOICE SECURITY DEVICES]!Field32	Text
Forms![SUB VOICE SECURITY DEVICES]!Field35	Text
Forms![SUB VOICE SECURITY DEVICES]!Field37	Text
Forms![SUB VOICE SECURITY DEVICES]!VENDOR	Text
Forms![SUB VOICE SECURITY DEVICES]!PRODUCT	Text
Forms![SUB VOICE SECURITY DEVICES]!PRICE	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	24/11/93 4:36:18 PM	Def. Updatable:	Yes
Last Updated:	24/11/93 4:38:47 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Append		

**SQL**

```
INSERT INTO [SELECT-SPECIFICATION] ([TYPE OF DEVICE], AMOUNT, [SPEC TYPE], VENDOR,
[PRODUCT NAME], PRICE, [TOTAL PRICE] )
SELECT DISTINCTROW [Forms]![SUB WORKSTATION SERVER]![Field32] AS Expr1, [Forms]![SUB
WORKSTATION SERVER]![Field35] AS Expr2, [Forms]![SUB WORKSTATION SERVER]![Field37] AS
Expr3, [Forms]![SUB WORKSTATION SERVER]![VENDOR] AS Expr4, [Forms]![SUB WORKSTATION
SERVER]![PRODUCT] AS Expr5, [Forms]![SUB WORKSTATION SERVER]![SUGGESTED RETAIL PRICE]
AS Expr6, [Forms]![SUB WORKSTATION SERVER]![Field35]*[Forms]![SUB WORKSTATION
SERVER]![SUGGESTED RETAIL PRICE] AS Expr7;
```

**Query Parameters**

Name	Type
Forms![SUB WORKSTATION SERVER]!Field32	Text
Forms![SUB WORKSTATION SERVER]!Field35	Text
Forms![SUB WORKSTATION SERVER]!Field37	Text
Forms![SUB WORKSTATION SERVER]!VENDOR	Text
Forms![SUB WORKSTATION SERVER]!PRODUCT	Text
Forms![SUB WORKSTATION SERVER]![SUGGESTED RETAIL PRICE]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	26/11/93 3:49:57 PM	Def. Updatable:	Yes
Last Updated:	26/11/93 5:04:24 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [SELECT-SPECIFICATION].[TYPE OF DEVICE], [SELECT-
SPECIFICATION].VENDOR, [SELECT-SPECIFICATION].[PORDUCT NAME], [SELECT-
SPECIFICATION].AMOUNT, [SELECT-SPECIFICATION].PRICE, [SELECT-SPECIFICATION].[TOTAL
PRICE], [SELECT-SPECIFICATION].[SPEC TYPE]
FROM [SELECT-SPECIFICATION]
WHERE (([SELECT-SPECIFICATION].[SPEC TYPE]=[Forms]![INPUTSPECTYPE]![Field64]));
```

**Query Parameters**

Name	Type
Forms!INPUTSPECTYPE!Field64	Text

**Columns**

Name	Type	Size
TYPE OF DEVICE	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length, Updatable	
Collating Order:	General	
Column Hidden:	No	
Column Order:	1	
Column Width:	2775	
Data Updatable:	Yes	
Ordinal Position:	0	
Required:	No	
Source Field:	TYPE OF DEVICE	
Source Table:	SELECT-SPECIFICATION	
Validate On Set:	No	
VENDOR	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length, Updatable	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	2145	
Data Updatable:	Yes	
Ordinal Position:	1	
Required:	No	
Source Field:	VENDOR	
Source Table:	SELECT-SPECIFICATION	
Validate On Set:	No	
PORDUCT NAME	Text	50

Allow Zero Length:	No
Attributes:	Variable Length, Updatable
Collating Order:	General
Column Hidden:	No
Column Order:	Default
Column Width:	2700
Data Updatable:	Yes
Ordinal Position:	2
Required:	No
Source Field:	PORDUCT NAME
Source Table:	SELECT-SPECIFICATION
Validate On Set:	No

**AMOUNT**

Number (Double)

8

Allow Zero Length:	No
Attributes:	Fixed Size, Updatable
Collating Order:	General
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	Yes
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	3
Required:	No
Source Field:	AMOUNT
Source Table:	SELECT-SPECIFICATION
Validate On Set:	No

**PRICE**

Number (Double)

8

Allow Zero Length:	No
Attributes:	Fixed Size, Updatable
Collating Order:	General
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	Yes
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	4
Required:	No
Source Field:	PRICE
Source Table:	SELECT-SPECIFICATION
Validate On Set:	No

**TOTAL PRICE**

Number (Double)

8

Allow Zero Length:	No
Attributes:	Fixed Size, Updatable
Collating Order:	General
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	Yes
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	5
Required:	No

Source Field:	TOTAL PRICE
Source Table:	SELECT-SPECIFICATION
Validate On Set:	No

SPEC TYPE		Number (Double)	8
Allow Zero Length:	No		
Attributes:	Fixed Size, Updatable		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	Yes		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	6		
Required:	No		
Source Field:	SPEC TYPE		
Source Table:	SELECT-SPECIFICATION		
Validate On Set:	No		

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	26/11/93 5:22:03 PM	Def. Updatable:	Yes
Last Updated:	26/11/93 6:01:43 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [SELECT-SPECIFICATION].[TYPE OF DEVICE], [SELECT-
SPECIFICATION].VENDOR, [SELECT-SPECIFICATION].[PRODUCT NAME], [SELECT-
SPECIFICATION].AMOUNT, [SELECT-SPECIFICATION].PRICE, [SELECT-SPECIFICATION].[TOTAL
PRICE], [SELECT-SPECIFICATION].[SPEC TYPE]
FROM [SELECT-SPECIFICATION];
```

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created:	11/11/92 5:45:26 PM	Def. Updatable:	Yes
Last Updated:	3/12/93 9:12:24 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [DATA ENCRYPTION DEVICE].VENDOR, [DATA ENCRYPTION
DEVICE].PRODUCT, [DATA ENCRYPTION DEVICE].[ENCRYPTION APPROACH], [DATA ENCRYPTION
DEVICE].[MODEL TYPE], [DATA ENCRYPTION DEVICE].[FS 1027 OR FIPS 140 COMPLIANCE], [DATA
ENCRYPTION DEVICE].[TERMINAL INTERFACE], [DATA ENCRYPTION DEVICE].[TRANSMISSION
CONFIGURATION], [DATA ENCRYPTION DEVICE].MODE, [DATA ENCRYPTION
DEVICE].SYNCHRONIZATION, [DATA ENCRYPTION DEVICE].[SYNCHRONOUS DATA RATE
(BITS/SECOND)], [DATA ENCRYPTION DEVICE].[ASYNCHRONOUS DATA RATE (BITS/SECOND)],
[DATA ENCRYPTION DEVICE].[NUMBER OF ALGORITHMS USED], [DATA ENCRYPTION
DEVICE].[STANDARD ALGORITHM], [DATA ENCRYPTION DEVICE].[OPTIONAL ALGORITHM], [DATA
ENCRYPTION DEVICE].[MODE SUPPORTED IN DES], [DATA ENCRYPTION DEVICE].[AUTOMATIC
CIPHER SYNCHRONIZATION], [DATA ENCRYPTION DEVICE].[MESSAGE AUTHENTICATION], [DATA
ENCRYPTION DEVICE].[WEAK/DUAL KEY DETECTION], [DATA ENCRYPTION DEVICE].[VOICE
ENCRYPTION], [DATA ENCRYPTION DEVICE].PROTOCOL, [DATA ENCRYPTION DEVICE].[CLEARTEXT
OPERATION], [DATA ENCRYPTION DEVICE].DIAGNOSTICS, [DATA ENCRYPTION DEVICE].[FAILSAFE
OPERATION], [DATA ENCRYPTION DEVICE].[MECHANICAL LOCK CASE], [DATA ENCRYPTION
DEVICE].[TAMPER RESISTANCE], [DATA ENCRYPTION DEVICE].[KEY SOURCE], [DATA ENCRYPTION
DEVICE].[KEY GENERATION APPROACH], [DATA ENCRYPTION DEVICE].[KEY GENERATION UNIT],
[DATA ENCRYPTION DEVICE].[KEY DISTRIBUTION], [DATA ENCRYPTION DEVICE].[KEYPOWER
BACKUP], [DATA ENCRYPTION DEVICE].[PURCHASE PRICE], [DATA ENCRYPTION DEVICE].[DATE OF
FIRST DELIVERY], [DATA ENCRYPTION DEVICE].[LISTED ON GSA SCHEDULE], [DATA ENCRYPTION
DEVICE].COMMENT, [Forms]![Q DATA ENCRYPTION DEVICE]![Field5] AS Expr1, [Forms]![Q DATA
ENCRYPTION DEVICE]![Field13] AS Expr4, [Forms]![Q DATA ENCRYPTION DEVICE]![Field7] AS Expr2
FROM [DATA ENCRYPTION DEVICE]
WHERE (([DATA ENCRYPTION DEVICE].[MODEL TYPE]=[Forms]![Q DATA ENCRYPTION
DEVICE]![Field5]) AND ([DATA ENCRYPTION DEVICE].[TERMINAL INTERFACE]=[Forms]![Q DATA
ENCRYPTION DEVICE]![Field7]) AND ([DATA ENCRYPTION DEVICE].[STANDARD
ALGORITHM]=[Forms]![Q DATA ENCRYPTION DEVICE]![Field13]));
```

**Query Parameters**

Name	Type
Forms![Q DATA ENCRYPTION DEVICE]!Field5	Text
Forms![Q DATA ENCRYPTION DEVICE]!Field13	Text
Forms![Q DATA ENCRYPTION DEVICE]!Field7	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created:	21/10/93 10:57:23 PM	Def. Updatable:	Yes
Last Updated:	30/5/95 2:19:08 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```

SELECT DISTINCTROW [DESKTOP SYSTEM].VENDOR, [DESKTOP SYSTEM].PRODUCT, [DESKTOP
SYSTEM].[PROCESSOR/CLOCK SPEED (MHZ)], [DESKTOP SYSTEM].[CPU UPGRADE AVAILABLE],
[DESKTOP SYSTEM].[STD/MAX RAM WITHOUT USING SLOTS (BYTES)], [DESKTOP
SYSTEM].[SYSTEM RAM EXPANDABLE TO (BYTES)], [DESKTOP SYSTEM].[CACHE MEMORY INT/EXT
(KB)], [DESKTOP SYSTEM].[CACHE MEMORY EXPANDABLE TO (KB)], [DESKTOP SYSTEM].[MAXIMUM
GRAPHICS/RESOLUTION], [DESKTOP SYSTEM].[BUS TYPE], [DESKTOP SYSTEM].[EXPANSION
SLOTS (32B/16B/8B) (TOTAL)], [DESKTOP SYSTEM].[DRIVE BAYS (TOTAL AVAILABLE)], [DESKTOP
SYSTEM].[STANDARD/ INCLUDE DISKETTE DRIVE], [DESKTOP SYSTEM].[INT HARD DISK
EXPANDABLE TO (BYTES)], [DESKTOP SYSTEM].[HARD DISK INTERFACE], [DESKTOP
SYSTEM].[STANDARD PARALLEL PORT], [DESKTOP SYSTEM].[SINGLE UNIT PRICE], [DESKTOP
SYSTEM].[STANDARD WARRANT (MONTHS)], [DESKTOP SYSTEM].[DATE ANNOUNCED], [Forms]![Q
DESKTOP SYSTEM]![Field13] AS Expr1, [Forms]![Q DESKTOP SYSTEM]![Field17] AS Expr2, [Forms]![Q
DESKTOP SYSTEM]![Field19] AS Expr3
FROM [DESKTOP SYSTEM]
WHERE ((([DESKTOP SYSTEM].[PROCESSOR/CLOCK SPEED (MHZ)]=[Forms]![Q DESKTOP
SYSTEM]![Field13]) AND ([DESKTOP SYSTEM].[MAXIMUM GRAPHICS/RESOLUTION]=[Forms]![Q
DESKTOP SYSTEM]![Field17]) AND ([DESKTOP SYSTEM].[BUS TYPE]=[Forms]![Q DESKTOP
SYSTEM]![Field19]));

```

**Query Parameters**

Name	Type
Forms![Q DESKTOP SYSTEM]![Field13]	Text
Forms![Q DESKTOP SYSTEM]![Field17]	Text
Forms![Q DESKTOP SYSTEM]![Field19]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	21/10/93 10:33:55 PM	Def. Updatable:	Yes
Last Updated:	18/3/91 6:34:32 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [DIASTER RECOVERY SITES].SITE, [DIASTER RECOVERY SITES].VENDOR,
[DIASTER RECOVERY SITES].[TELEPHONE NUMBER FOR SITE], [DIASTER RECOVERY SITES].[SITE
LOCATION (METRO AREA)], [DIASTER RECOVERY SITES].[TYPE OF SERVICES], [DIASTER
RECOVERY SITES].[HOST SYSTEMS SUPPORTED], [DIASTER RECOVERY SITES].[DATA &
TELECOMMUNICATIONS], [DIASTER RECOVERY SITES].[DATA CENTER SPACE PROVIDED],
[DIASTER RECOVERY SITES].[WORK AREA RECOVERY], [DIASTER RECOVERY SITES].[MAXIMUM
NUMBER OF TERMINALS], [DIASTER RECOVERY SITES].[PERIPHERALS SUPPORTED], [DIASTER
RECOVERY SITES].[TIME AVAILABLE FOR TESTING], [DIASTER RECOVERY SITES].[NEAREST
AIRPORT], [DIASTER RECOVERY SITES].[USER ACCESS TO FACILITY], [DIASTER RECOVERY
SITES].[SECURITY GUARDS/SYSTEMS MONITORING SITE], [DIASTER RECOVERY SITES].[ALARM
TYPE], [DIASTER RECOVERY SITES].[FIRE DETECTION & SUPPRESSION SYSTEMS], [DIASTER
RECOVERY SITES].[EMERGENCY BACKUP SYSTEMS], [DIASTER RECOVERY SITES].[TECHNICAL
SUPPORT], [DIASTER RECOVERY SITES].[ANCILLARY SERVICES], [DIASTER RECOVERY SITES].[ON-
SITE DATA STORAGE FACILITIES], [DIASTER RECOVERY SITES].[CONSULTING SERVICES],
[DIASTER RECOVERY SITES].[SUBSCRIPTION RATES], [DIASTER RECOVERY SITES].[TERM OF
CONTRACTFOR SUBSCRIPTION], [DIASTER RECOVERY SITES].[DATE OF FIRST DELIVERY],
[DIASTER RECOVERY SITES].[TOTAL NUMBER OF SUBSCRIBERS], [DIASTER RECOVERY
SITES].[MAXIMUM SUBSCRIBERS PER HOT SITE], [DIASTER RECOVERY SITES].[NUMBER OF
DECLARATIONS], [DIASTER RECOVERY SITES].[MULTIPLE DIASTER SUPPORT], [DIASTER
RECOVERY SITES].COMMENT, [Forms]![Q DIASTER RECOVERY SITES]![Field13] AS Expr1
FROM [DIASTER RECOVERY SITES]
WHERE ((([DIASTER RECOVERY SITES].[HOST SYSTEMS SUPPORTED]=[Forms]![Q DIASTER
RECOVERY SITES]![Field13]));
```

**Query Parameters**

Name	Type
Forms![Q DIASTER RECOVERY SITES]!Field13	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	21/10/93 10:15:57 PM	Def. Updatable:	Yes
Last Updated:	18/3/91 7:17:43 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```

SELECT DISTINCTROW [DIRECTORY OF SYSTEM INTEGRATORS].VENDOR, [DIRECTORY OF
SYSTEM INTEGRATORS].ADDRESS, [DIRECTORY OF SYSTEM INTEGRATORS].TELEPHONE,
[DIRECTORY OF SYSTEM INTEGRATORS].[DATE ESTABLISHED], [DIRECTORY OF SYSTEM
INTEGRATORS].[NUMBER OF IMAGING SERVICE PROVIDERS], [DIRECTORY OF SYSTEM
INTEGRATORS].[NUMBER OF MANAGE SYSTEM INSTALLED], [DIRECTORY OF SYSTEM
INTEGRATORS].[ANNUAL SYSTEM INTEGRATION REVENUE], [DIRECTORY OF SYSTEM
INTEGRATORS].[ANNUAL REV DERIVED FR IMAGE (%)], [DIRECTORY OF SYSTEM
INTEGRATORS].[GEOGRAPHIC AREAS SERVED], [DIRECTORY OF SYSTEM INTEGRATORS].[IMAGE
CONSULT/INTEGRATION SERVICES], [DIRECTORY OF SYSTEM INTEGRATORS].[VERTICAL MARKET
INSTALL (%)], [DIRECTORY OF SYSTEM INTEGRATORS].[APPLICATION INSTALLED], [DIRECTORY OF
SYSTEM INTEGRATORS].[TECHNOLOGIES UTILIZED], [DIRECTORY OF SYSTEM
INTEGRATORS].[VENDOR ENVIRONMENT], [Forms]![Q DIRECTORY OF SYSTEM
INTEGRATORS]![Field19] AS Expr1, [Forms]![Q DIRECTORY OF SYSTEM INTEGRATORS]![Field21] AS
Expr2
FROM [DIRECTORY OF SYSTEM INTEGRATORS]
WHERE (([DIRECTORY OF SYSTEM INTEGRATORS].[TECHNOLOGIES UTILIZED]=[Forms]![Q
DIRECTORY OF SYSTEM INTEGRATORS]![Field19]) AND (([DIRECTORY OF SYSTEM
INTEGRATORS].[VENDOR ENVIRONMENT]=[Forms]![Q DIRECTORY OF SYSTEM
INTEGRATORS]![Field21]));

```

**Query Parameters**

Name	Type
Forms![Q DIRECTORY OF SYSTEM INTEGRATORS]!Field19	Text
Forms![Q DIRECTORY OF SYSTEM INTEGRATORS]!Field21	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	21/10/93 9:55:04 PM	Def. Updatable:	Yes
Last Updated:	18/3/91 7:34:07 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```

SELECT DISTINCTROW [DOCUMENT IMAGING SYSTEM].VENDOR, [DOCUMENT IMAGING
SYSTEM].PRODUCT, [DOCUMENT IMAGING SYSTEM].[VIEW FEATURE], [DOCUMENT IMAGING
SYSTEM].[IMAGE RETRIEVAL VIA], [DOCUMENT IMAGING SYSTEM].[STORAGE MEDIA SUPPORTED],
[DOCUMENT IMAGING SYSTEM].[COMPRESSION / DECOMPRESSION STANDARDS], [DOCUMENT
IMAGING SYSTEM].[IMPORT / EXPORT DOCUMENT FORMATS], [DOCUMENT IMAGING SYSTEM].[OCR
SOFTWARE SUPPORTED], [DOCUMENT IMAGING SYSTEM].[QUALITY CONTROL ON SCANNER
INPUT], [DOCUMENT IMAGING SYSTEM].[IMAGE INDEX DATABASE], [DOCUMENT IMAGING
SYSTEM].[WORKFLOW CAPABILITIES PROVIDED], [DOCUMENT IMAGING SYSTEM].[WORKFLOW
PROCESSING FEATURES], [DOCUMENT IMAGING SYSTEM].[CONFIGURATION ARCHITECTURE],
[DOCUMENT IMAGING SYSTEM].[WORKSTATION (STANDALONE) MODEL], [DOCUMENT IMAGING
SYSTEM].[WORKSTATION OPERATING SYSTEM], [DOCUMENT IMAGING SYSTEM].[SERVER (HOST)
MODEL], [DOCUMENT IMAGING SYSTEM].[SERVER (HOST) OPERATING SYSTEM], [DOCUMENT
IMAGING SYSTEM].[GRAPHICAL USER INTERFACE SUPPORT], [DOCUMENT IMAGING
SYSTEM].[LOCAL AREA NETWORK SUPPORT], [DOCUMENT IMAGING SYSTEM].[APPLICATION
DEVELOPMENT TOOLS], [DOCUMENT IMAGING SYSTEM].[INTERFACES TO EXISTING DATABASES],
[DOCUMENT IMAGING SYSTEM].[PRICE (BASE SYSTEM)], [DOCUMENT IMAGING
SYSTEM].[PROPRIETARY HARDWARE REQUIRED], [Forms]![Q DOCUMENT IMAGING
SYSTEM]![Field13] AS Expr1, [Forms]![Q DOCUMENT IMAGING SYSTEM]![Field15] AS Expr2, [Forms]![Q
DOCUMENT IMAGING SYSTEM]![Field17] AS Expr3
FROM [DOCUMENT IMAGING SYSTEM]
WHERE ((([DOCUMENT IMAGING SYSTEM].[VIEW FEATURE]=[Forms]![Q DOCUMENT IMAGING
SYSTEM]![Field13]) AND (([DOCUMENT IMAGING SYSTEM].[IMAGE RETRIEVAL VIA]=[Forms]![Q
DOCUMENT IMAGING SYSTEM]![Field15]) AND (([DOCUMENT IMAGING SYSTEM].[STORAGE MEDIA
SUPPORTED]=[Forms]![Q DOCUMENT IMAGING SYSTEM]![Field17])));

```

**Query Parameters**

Name	Type
Forms![Q DOCUMENT IMAGING SYSTEM]!Field13	Text
Forms![Q DOCUMENT IMAGING SYSTEM]!Field15	Text
Forms![Q DOCUMENT IMAGING SYSTEM]!Field17	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	21/10/93 9:32:49 PM	Def. Updatable:	Yes
Last Updated:	18/3/91 7:46:41 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```

SELECT DISTINCTROW [ENTERPRISE NETWORK MANAGEMENT SYSTEM].VENDOR, [ENTERPRISE NETWORK MANAGEMENT SYSTEM].PRODUCT, [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[DATE AVAILABLE], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[INSTALLATION PROVIDED BY], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[SERVICED BY], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[NUMBER INSTALLED], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[COMPUTER SYSTEM SUPPORTED], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[OPERATING SYSTEM], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].PLATFORM, [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[USER INTERFACE], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[DATABASE MANAGEMENT SYSTEMS], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[STANDALONE AND API SUPPORT], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[MAXIMUM NUMBER OF NODES MANAGE], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[EMS INTERFACE AVAILABLE], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[EMS INTERFACE CAPABILITIES], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[EMS INTERFACE METHOD], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[NETWORK MANAGEMENT PROTOCOLS], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[NETWORK MAP FEATURES], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[CONFIGURATION FUNCTIONS], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[FAULT ISOLATION], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[FAULT/EVENT MANAGEMENT], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[PERFORMANCE STATISTICS], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[MANAGEMENT REPORTS], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].SECURITY, [ENTERPRISE NETWORK MANAGEMENT SYSTEM].[CHARGEBACK INFORMATION PROVIDED], [ENTERPRISE NETWORK MANAGEMENT SYSTEM].PRICE, [ENTERPRISE NETWORK MANAGEMENT SYSTEM].COMMENT, [Forms]![Q ENTERPRISE NMS]![Field13] AS Expr1, [Forms]![Q ENTERPRISE NMS]![Field15] AS Expr2
FROM [ENTERPRISE NETWORK MANAGEMENT SYSTEM]
WHERE ((([ENTERPRISE NETWORK MANAGEMENT SYSTEM].[OPERATING SYSTEM]=[Forms]![Q ENTERPRISE NMS]![Field13]) AND (([ENTERPRISE NETWORK MANAGEMENT SYSTEM].PLATFORM=[Forms]![Q ENTERPRISE NMS]![Field15]));

```

**Query Parameters**

Name	Type
Forms![Q ENTERPRISE NMS]![Field13]	Text
Forms![Q ENTERPRISE NMS]![Field15]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	

Users

Delete, Read Permissions, Set Permissions, Change Owner



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created:	21/10/93 8:39:49 PM	Def. Updatable:	Yes
Last Updated:	25/3/91 9:02:57 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```

SELECT DISTINCTROW [FAULT-TOLERANT SYSTEM].VENDOR, [FAULT-TOLERANT
SYSTEM].ADDRESS, [FAULT-TOLERANT SYSTEM].TELEPHONE, [FAULT-TOLERANT
SYSTEM].PRODUCT, [FAULT-TOLERANT SYSTEM].ARCHITECTURE, [FAULT-TOLERANT
SYSTEM].TECHNOLOGY, [FAULT-TOLERANT SYSTEM].[PROCESSOR MODEL/TYPE], [FAULT-
TOLERANT SYSTEM].[NUMBER OF PROCESSORS], [FAULT-TOLERANT SYSTEM].[PROCESSOR
CYCLE TIME (NS)], [FAULT-TOLERANT SYSTEM].[CLOCK SPEED (MHZ)], [FAULT-TOLERANT
SYSTEM].[MINIMUM MEMORY PER PROCESSOR (BYTES)], [FAULT-TOLERANT SYSTEM].[MAXIMUM
MEMORY PER PROCESSOR (BYTES)], [FAULT-TOLERANT SYSTEM].[MEMORY EXP/ INCREMENTS
(BYTES)], [Forms]![Q FAULT-TOLERANT SYSTEM]![Field15] AS Expr1, [Forms]![Q FAULT-TOLERANT
SYSTEM]![Field17] AS Expr2, [FAULT-TOLERANT SYSTEM].[MINIMUM DISK STORAGE (BYTES)],
[FAULT-TOLERANT SYSTEM].[MAXIMUM DISK STORAGE(BYTES)], [FAULT-TOLERANT
SYSTEM].COMMENT, [FAULT-TOLERANT SYSTEM].[ENTRY-LEVEL PRICE]
FROM [FAULT-TOLERANT SYSTEM]
WHERE ((([FAULT-TOLERANT SYSTEM].PRODUCT=[Forms]![Q FAULT-TOLERANT SYSTEM]![Field15])
AND (([FAULT-TOLERANT SYSTEM].ARCHITECTURE=[Forms]![Q FAULT-TOLERANT SYSTEM]![Field17]))

```

**Query Parameters**

Name	Type
Forms![Q FAULT-TOLERANT SYSTEM]!Field15	Text
Forms![Q FAULT-TOLERANT SYSTEM]!Field17	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	3/5/95 2:04:31 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 8:32:25 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU].VENDOR, [LOCAL
AREA NETWORK : HUB/CONCENTRATOR/MAU].PRODUCT, [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].[TYPE OF DEVICE], [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].CONFIGURATION, [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].[LANS SUPPORTED], [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].[MEDIA SUPPORTED], [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].[MAX NUMBER OF PORTS SUPPORTED], [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].[NETWORK MANAGEMENT SUPPORTED], [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].[INTELLIGENT FEATURES], [LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].PRICE, [LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU].[DATE
OF FIRST DELIVERY], [LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU].[STANDARD
WARRANTY], [LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU].[SERVICE SUPPLIED BY],
[LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU].COMMENT, [Forms]![Q LAN
HUB/CONCENTRATOR/MAU]![Field41] AS Expr1, [Forms]![Q LAN HUB/CONCENTRATOR/MAU]![Field45]
AS Expr3, [Forms]![Q LAN HUB/CONCENTRATOR/MAU]![Field47] AS Expr4, [Forms]![Q LAN
HUB/CONCENTRATOR/MAU]![Field43] AS Expr2
FROM [LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU]
WHERE (([LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU].[TYPE OF DEVICE]=[Forms]![Q LAN
HUB/CONCENTRATOR/MAU]![Field41]) AND ([LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].CONFIGURATION=[Forms]![Q LAN HUB/CONCENTRATOR/MAU]![Field43])
AND ([LOCAL AREA NETWORK : HUB/CONCENTRATOR/MAU].[MEDIA SUPPORTED]=[Forms]![Q LAN
HUB/CONCENTRATOR/MAU]![Field45]) AND ([LOCAL AREA NETWORK :
HUB/CONCENTRATOR/MAU].[NETWORK MANAGEMENT SUPPORTED]=[Forms]![Q LAN
HUB/CONCENTRATOR/MAU]![Field47]));
```

**Query Parameters**

Name	Type
Forms![Q LAN HUB/CONCENTRATOR/MAU]![Field41]	Text
Forms![Q LAN HUB/CONCENTRATOR/MAU]![Field45]	Text
Forms![Q LAN HUB/CONCENTRATOR/MAU]![Field47]	Text
Forms![Q LAN HUB/CONCENTRATOR/MAU]![Field43]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created:	3/5/95 1:28:23 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 8:39:33 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [LOCAL AREA NETWORK : NETWORK INTERFACE CARD].VENDOR, [LOCAL
AREA NETWORK : NETWORK INTERFACE CARD].PRODUCT, [LOCAL AREA NETWORK : NETWORK
INTERFACE CARD].[LANS SUPPORTED], [LOCAL AREA NETWORK : NETWORK INTERFACE
CARD].[MICROCOMPUTER BUS SUPPORTED], [LOCAL AREA NETWORK : NETWORK INTERFACE
CARD].[BUS SIZE (BIT)], [LOCAL AREA NETWORK : NETWORK INTERFACE CARD].[RAM BUFFER
(BYTES)], [LOCAL AREA NETWORK : NETWORK INTERFACE CARD].[MAXIMUM DATA RATE (BPS)],
[LOCAL AREA NETWORK : NETWORK INTERFACE CARD].[MEDIA SUPPORTED], [LOCAL AREA
NETWORK : NETWORK INTERFACE CARD].[OPERATING SYSTEM SUPPORTED], [LOCAL AREA
NETWORK : NETWORK INTERFACE CARD].PRICE, [LOCAL AREA NETWORK : NETWORK INTERFACE
CARD].[DATE OF FIRST DELIVERY], [LOCAL AREA NETWORK : NETWORK INTERFACE
CARD].[STANDARD WARRANTY], [LOCAL AREA NETWORK : NETWORK INTERFACE CARD].[SERVICE
SUPPLIED BY], [LOCAL AREA NETWORK : NETWORK INTERFACE CARD].COMMENT, [Forms]![Q LAN
NETWORK INTERFACE CARD]![Field35] AS Expr1, [Forms]![Q LAN NETWORK INTERFACE
CARD]![Field39] AS Expr3, [Forms]![Q LAN NETWORK INTERFACE CARD]![Field37] AS Expr2
FROM [LOCAL AREA NETWORK : NETWORK INTERFACE CARD]
WHERE ((([LOCAL AREA NETWORK : NETWORK INTERFACE CARD].[LANS SUPPORTED]=[Forms]![Q
LAN NETWORK INTERFACE CARD]![Field35]) AND (([LOCAL AREA NETWORK : NETWORK INTERFACE
CARD].[MEDIA SUPPORTED]=[Forms]![Q LAN NETWORK INTERFACE CARD]![Field37]) AND ((LOCAL
AREA NETWORK : NETWORK INTERFACE CARD).[OPERATING SYSTEM SUPPORTED]=[Forms]![Q LAN
NETWORK INTERFACE CARD]![Field39])));
```

**Query Parameters**

Name	Type
Forms![Q LAN NETWORK INTERFACE CARD]!Field35	Text
Forms![Q LAN NETWORK INTERFACE CARD]!Field39	Text
Forms![Q LAN NETWORK INTERFACE CARD]!Field37	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	20/2/91 9:43:00 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 8:51:34 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [LOCAL AREA NETWORK : OVERVIEW NETWORK OPERATING SYSTEM].* AS
[LOCAL AREA NETWORK], [Forms]![Q LAN NETWORK OPERATING SYSTEM]![Field41] AS Expr1,
[Forms]![Q LAN NETWORK OPERATING SYSTEM]![Field44] AS Expr2, [Forms]![Q LAN NETWORK
OPERATING SYSTEM]![Field46] AS Expr3, [Forms]![Q LAN NETWORK OPERATING SYSTEM]![Field48]
AS Expr4
FROM [LOCAL AREA NETWORK : OVERVIEW NETWORK OPERATING SYSTEM]
WHERE (([LOCAL AREA NETWORK : OVERVIEW NETWORK OPERATING SYSTEM].[NETWORK
OPERATING SYSTEM TYPE]=[Forms]![Q LAN NETWORK OPERATING SYSTEM]![Field41]) AND (([LOCAL
AREA NETWORK : OVERVIEW NETWORK OPERATING SYSTEM].[SERVER OPERATING
SYSTEM]=[Forms]![Q LAN NETWORK OPERATING SYSTEM]![Field44]) AND (([LOCAL AREA NETWORK :
OVERVIEW NETWORK OPERATING SYSTEM].[LAN SUPPORTED]=[Forms]![Q LAN NETWORK
OPERATING SYSTEM]![Field46]) AND (([LOCAL AREA NETWORK : OVERVIEW NETWORK OPERATING
SYSTEM].[PROTOCOLS SUPPORTED]=[Forms]![Q LAN NETWORK OPERATING SYSTEM]![Field48]));
```

**Query Parameters**

Name	Type
Forms![Q LAN NETWORK OPERATING SYSTEM]!Field41	Text
Forms![Q LAN NETWORK OPERATING SYSTEM]!Field44	Text
Forms![Q LAN NETWORK OPERATING SYSTEM]!Field46	Text
Forms![Q LAN NETWORK OPERATING SYSTEM]!Field48	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	3/5/95 12:33:14 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 9:01:25 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```

SELECT DISTINCTROW [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].VENDOR,
[MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].PRODUCT, [MICRO COMPUTER
ENCRYPTION AND ACCESS CONTROL].FUNCTION, [MICRO COMPUTER ENCRYPTION AND ACCESS
CONTROL].CERTIFICATION, [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[COMPUTER
SUPPORTED], [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[OPERATING SYSTEM
SUPPORTED], [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[MINIMUM MEMORY
(BYTES)], [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[RECOMMENDED MEMORY
(BYTES)], [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[REQUIRED FREE HARD DISK
SPACE (BYTES)], [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[NETWORK
SUPPORTED], [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[USER INTERFACE],
[MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[ALGORITHM USED], [MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[TYPE OF ENCRYPTION PROVIDED], [MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[TYPE OF MATERIAL ENCRYPTION], [MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[ENCRYPTION CHARACTERISTICS], [MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[ENCRYPTION KEY MANAGEMENT], [MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[NUMBER OF PASSWORD LEVELS], [MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[PASSWORD/LOGON CHARACTERISTICS],
[MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[APPLIES ACCESS CONTROLS TO],
[MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[AUDIT REPORTS SUPPORTS], [MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[AUDIT TRAIL & REPORTING CAPABILITIES],
[MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[ONETIME LICENCE/RETAIL PRICE],
[MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].COMMENT, [Forms]![Q MICRO
COMPUTER ENCRYPTION ACCESS]![Field31] AS Expr1, [Forms]![Q MICRO COMPUTER ENCRYPTION
ACCESS]![Field33] AS Expr2, [Forms]![Q MICRO COMPUTER ENCRYPTION ACCESS]![Field41] AS Expr4,
[Forms]![Q MICRO COMPUTER ENCRYPTION ACCESS]![Field39] AS Expr3
FROM [MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL]
WHERE (([MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].FUNCTION=[Forms]![Q MICRO
COMPUTER ENCRYPTION ACCESS]![Field31]) AND ([MICRO COMPUTER ENCRYPTION AND ACCESS
CONTROL].[COMPUTER SUPPORTED]=[Forms]![Q MICRO COMPUTER ENCRYPTION
ACCESS]![Field33])) AND ([MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL].[OPERATING
SYSTEM SUPPORTED]=[Forms]![Q MICRO COMPUTER ENCRYPTION ACCESS]![Field39]) AND ([MICRO
COMPUTER ENCRYPTION AND ACCESS CONTROL].[ALGORITHM USED]=[Forms]![Q MICRO
COMPUTER ENCRYPTION ACCESS]![Field41]));

```

**Query Parameters**

Name	Type
Forms![Q MICRO COMPUTER ENCRYPTION ACCESS]![Field31]	Text
Forms![Q MICRO COMPUTER ENCRYPTION ACCESS]![Field33]	Text
Forms![Q MICRO COMPUTER ENCRYPTION ACCESS]![Field41]	Text
Forms![Q MICRO COMPUTER ENCRYPTION ACCESS]![Field39]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



**Properties**

Date Created:	20/2/91 8:16:28 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 9:14:34 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [DESKTOP PERSONAL COMPUTER HIGH-END].*, [Forms]![Q PC HIGH-
END]![Field21] AS Expr1, [Forms]![Q PC HIGH-END]![Field23] AS Expr2, [Forms]![Q PC HIGH-
END]![Field25] AS Expr3
FROM [DESKTOP PERSONAL COMPUTER HIGH-END]
WHERE ((([DESKTOP PERSONAL COMPUTER HIGH-END].PROCESSOR=[Forms]![Q PC HIGH-
END]![Field21]) AND ([DESKTOP PERSONAL COMPUTER HIGH-END].[NO OF PROCESSOR
SUPPORT]=[Forms]![Q PC HIGH-END]![Field23]) AND ([DESKTOP PERSONAL COMPUTER HIGH-
END].[BUS ARCHITECTURE]=[Forms]![Q PC HIGH-END]![Field25]));
```

**Query Parameters**

Name	Type
Forms![Q PC HIGH- END]!Field21	Text
Forms![Q PC HIGH- END]!Field23	Text
Forms![Q PC HIGH- END]!Field25	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	21/10/93 11:48:40 PM	Def. Updatable:	Yes
Last Updated:	23/8/94 8:23:01 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [DESKTOP PERSONAL COMPUTER LOW-END].*, [Forms]![Q PC LOW-
END]![Field21] AS Expr1, [Forms]![Q PC LOW-END]![Field23] AS Expr2, [Forms]![Q PC LOW-END]![Field25]
AS Expr3
FROM [DESKTOP PERSONAL COMPUTER LOW-END]
WHERE ((([DESKTOP PERSONAL COMPUTER LOW-END].PROCESSOR=[Forms]![Q PC LOW-
END]![Field21]) AND (([DESKTOP PERSONAL COMPUTER LOW-END].[NO OF PROCESSOR
SUPPORT]=[Forms]![Q PC LOW-END]![Field23]) AND (([DESKTOP PERSONAL COMPUTER LOW-
END].[BUS ARCHITECTURE]=[Forms]![Q PC LOW-END]![Field25]));
```

**Query Parameters**

Name	Type
Forms![Q PC LOW- END]!Field21	Text
Forms![Q PC LOW- END]!Field23	Text
Forms![Q PC LOW- END]!Field25	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	20/2/91 8:37:22 PM	Def. Updatable:	Yes
Last Updated:	23/8/94 8:19:19 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [DESKTOP PERSONAL COMPUTER MID-RANGE].*, [Forms]![Q PC MID-
RANGE]![Field21] AS Expr1, [Forms]![Q PC MID-RANGE]![Field25] AS Expr2, [Forms]![Q PC MID-
RANGE]![Field27] AS Expr3
FROM [DESKTOP PERSONAL COMPUTER MID-RANGE]
WHERE ((([DESKTOP PERSONAL COMPUTER MID-RANGE].PROCESSOR=[Forms]![Q PC MID-
RANGE]![Field21]) AND ([DESKTOP PERSONAL COMPUTER MID-RANGE].[NO OF PROCESSORS
SUPPORTED]=[Forms]![Q PC MID-RANGE]![Field27]) AND ([DESKTOP PERSONAL COMPUTER MID-
RANGE].[BUS ARCHITECTURE]=[Forms]![Q PC MID-RANGE]![Field25]));
```

**Query Parameters**

Name	Type
Forms![Q PC MID-RANGE]!Field21	Text
Forms![Q PC MID-RANGE]!Field25	Text
Forms![Q PC MID-RANGE]!Field27	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	3/5/95 11:30:52 AM	Def. Updatable:	Yes
Last Updated:	22/11/93 9:36:27 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```

SELECT DISTINCTROW [PORTABLE SYSTEM].VENDOR, [PORTABLE SYSTEM].PRODUCT, [PORTABLE
SYSTEM].[PROCESSOR/SPEED (MHZ)], [PORTABLE SYSTEM].[STANDARD/MAXIMUM RAM (BYTES)],
[PORTABLE SYSTEM].[DISPLAY SITE (INCHES,DIAGONAL)], [PORTABLE SYSTEM].[DISPLAY
TECHNOLOGY], [PORTABLE SYSTEM].[MAX RESOLUTION (PIXELS) AND COLORS OR GRAYS],
[PORTABLE SYSTEM].[EXT/MAX/RESOLUTION (PIXELS) AND NUMBER COLORS], [PORTABLE
SYSTEM].[DUAL DISPLAY MODE], [PORTABLE SYSTEM].[KEYBOARD (NUMBER OF KEYS)],
[PORTABLE SYSTEM].[POINTING DEVICE (INTERNAL/EXTERNAL)], [PORTABLE
SYSTEM].[INTEGRATED AUDIO], [PORTABLE SYSTEM].[PCMCIA SLOTS (NUMBER AND TYPE)],
[PORTABLE SYSTEM].[REMOVABLE DISK DRIVE], [PORTABLE SYSTEM].[PORT
REPLICATOR/DOCKING STATION AVAILABLE], [PORTABLE SYSTEM].[BATTERY (HOURS/TYPE)],
[PORTABLE SYSTEM].[WEIGHT W/BATTERY (POUNDS)], [PORTABLE SYSTEM].[DIMENSIONS (H-W-D
INCHES)], [PORTABLE SYSTEM].[STANDARD WARRANTY (MONTHS)], [PORTABLE
SYSTEM].[MINIMUM SINGLE-USER/STANDALONE PRICE], [PORTABLE SYSTEM].[SYSTEM TYPE],
[Forms]![Q PORTABLE SYSTEM]![Field23] AS Expr1, [Forms]![Q PORTABLE SYSTEM]![Field25] AS Expr2,
[Forms]![Q PORTABLE SYSTEM]![Field27] AS Expr3, [Forms]![Q PORTABLE SYSTEM]![Field29] AS Expr4
FROM [PORTABLE SYSTEM]
WHERE (([PORTABLE SYSTEM].[PROCESSOR/SPEED (MHZ)]=[Forms]![Q PORTABLE
SYSTEM]![Field23]) AND (([PORTABLE SYSTEM].[STANDARD/MAXIMUM RAM (BYTES)]=[Forms]![Q
PORTABLE SYSTEM]![Field25]) AND (([PORTABLE SYSTEM].[DISPLAY TECHNOLOGY]=[Forms]![Q
PORTABLE SYSTEM]![Field27]) AND (([PORTABLE SYSTEM].[PCMCIA SLOTS (NUMBER AND
TYPE)]=[Forms]![Q PORTABLE SYSTEM]![Field29])));

```

**Query Parameters**

Name	Type
Forms![Q PORTABLE SYSTEM]![Field23]	Text
Forms![Q PORTABLE SYSTEM]![Field25]	Text
Forms![Q PORTABLE SYSTEM]![Field27]	Text
Forms![Q PORTABLE SYSTEM]![Field29]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	20/2/91 9:57:18 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 10:09:29 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [POWER SYSTEM DISTRIBUTION AND CONDITIONING SYSTEM].*, [Forms]![Q
POWERAIR]![Field21] AS Expr1, [Forms]![Q POWERAIR]![Field23] AS Expr2, [Forms]![Q
POWERAIR]![Field25] AS Expr3
FROM [POWER SYSTEM DISTRIBUTION AND CONDITIONING SYSTEM]
WHERE (([POWER SYSTEM DISTRIBUTION AND CONDITIONING SYSTEM].[TYPE OF
SYSTEM]=[Forms]![Q POWERAIR]![Field21]) AND ([POWER SYSTEM DISTRIBUTION AND
CONDITIONING SYSTEM].BROWNOUTS=[Forms]![Q POWERAIR]![Field23]) AND ([POWER SYSTEM
DISTRIBUTION AND CONDITIONING SYSTEM].[POWER RATING (KVA)]=[Forms]![Q
POWERAIR]![Field25]));
```

**Query Parameters**

Name	Type
Forms![Q POWERAIR]!Field21	Text
Forms![Q POWERAIR]!Field23	Text
Forms![Q POWERAIR]!Field25	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	20/2/91 9:58:53 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 10:19:57 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [POWER SYSTEM UPS].*, [Forms]![Q UPS]![Field21] AS Expr1, [Forms]![Q
UPS]![Field23] AS Expr2, [Forms]![Q UPS]![Field25] AS Expr3, [Forms]![Q UPS]![Field27] AS Expr4
FROM [POWER SYSTEM UPS]
WHERE (([POWER SYSTEM UPS].[COMPUTER SYSTEM SUPPORTED]=[Forms]![Q UPS]![Field21]) AND
([POWER SYSTEM UPS].[UPS TYPE]=[Forms]![Q UPS]![Field23]) AND ([POWER SYSTEM UPS].[POWER
RATING (KVA)]=[Forms]![Q UPS]![Field25]) AND ([POWER SYSTEM UPS].[BATTERY TYPE]=[Forms]![Q
UPS]![Field27]));
```

**Query Parameters**

Name	Type
Forms![Q UPS]!Field21	Text
Forms![Q UPS]!Field23	Text
Forms![Q UPS]!Field25	Text
Forms![Q UPS]!Field27	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	12/2/91 7:02:28 PM	Def. Updatable:	Yes
Last Updated:	23/8/94 6:03:35 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [VIRUS PROTECTION PRODUCTS].*, [VIRUS PROTECTION
PRODUCTS].[COMPUTER SYSTEMS SUPPORTED], [VIRUS PROTECTION PRODUCTS].[OPERATING
SYSTEMS], [VIRUS PROTECTION PRODUCTS].OPERATION, [Forms]![Q VIRUS PROTECTION]![Field7]
AS Expr2, [Forms]![Q VIRUS PROTECTION]![Field11] AS Expr3, [Forms]![Q VIRUS PROTECTION]![Field3]
AS Expr1
FROM [VIRUS PROTECTION PRODUCTS]
WHERE (([VIRUS PROTECTION PRODUCTS].[COMPUTER SYSTEMS SUPPORTED]=[Forms]![Q VIRUS
PROTECTION]![Field3]) AND ([VIRUS PROTECTION PRODUCTS].[OPERATING SYSTEMS]=[Forms]![Q
VIRUS PROTECTION]![Field7]) AND ([VIRUS PROTECTION PRODUCTS].OPERATION=[Forms]![Q VIRUS
PROTECTION]![Field11]));
```

**Query Parameters**

Name	Type
Forms![Q VIRUS PROTECTION]![Field7]	Text
Forms![Q VIRUS PROTECTION]![Field11]	Text
Forms![Q VIRUS PROTECTION]![Field3]	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner

**Properties**

Date Created:	21/10/93 11:30:48 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 10:51:17 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [VOICE SECURITY DEVICES].*, [Forms]![Q VOICE SECURITY
DEVICES]![Field13] AS Expr1, [Forms]![Q VOICE SECURITY DEVICES]![Field15] AS Expr2
FROM [VOICE SECURITY DEVICES]
WHERE (([VOICE SECURITY DEVICES].[PRODUCT TYPE]=[Forms]![Q VOICE SECURITY
DEVICES]![Field13]) AND ([VOICE SECURITY DEVICES].ALGORITHM=[Forms]![Q VOICE SECURITY
DEVICES]![Field15]));
```

**Query Parameters**

Name	Type
Forms![Q VOICE SECURITY DEVICES]!Field13	Text
Forms![Q VOICE SECURITY DEVICES]!Field15	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	

**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



**Properties**

Date Created:	21/10/93 11:15:41 PM	Def. Updatable:	Yes
Last Updated:	22/11/93 11:02:34 PM	ODBC Timeout:	60
Record Locks:	No Locks	Returns Records:	Yes
Type:	Select		

**SQL**

```
SELECT DISTINCTROW [WORKSTATION SERVER].VENDOR, [WORKSTATION SERVER].PRODUCT,
[WORKSTATION SERVER].[MICROPROCESSOR CLOCK SPEED (MHZ)], [WORKSTATION
SERVER].[NUMBER OF PROCESSOR SUPPORT], [WORKSTATION SERVER].[PROCESSOR
ARRANGEMENT], [WORKSTATION SERVER].[CO-PROCESSOR INCLUDED], [WORKSTATION
SERVER].[RAM MIN/MAX BYTES], [WORKSTATION SERVER].[CACHE DATA / INSTRUCTION (BYTES)],
[WORKSTATION SERVER].[BUS ARCHITECTURE], [WORKSTATION SERVER].[NUMBER OF
EXPANSION SLOTS], [WORKSTATION SERVER].[NUMBER OF STANDARD PARALLEL PORT],
[WORKSTATION SERVER].[NUMBER OF STANDARD SERIAL PORT], [WORKSTATION
SERVER].[PERIPHERAL INTERFACES], [WORKSTATION SERVER].[STANDARD HARD DISK STORAGE
(BYTES)], [WORKSTATION SERVER].[MAXIMUM HARD DISK STORAGE (BYTES)], [WORKSTATION
SERVER].[DISK DRIVE CAPACITIES (BYTES)], [WORKSTATION SERVER].[TAPE DRIVE TYPE
SUPPORTED -1], [WORKSTATION SERVER].[TAPE DRIVE TYPE SUPPORTED-2], [WORKSTATION
SERVER].[SPEC MARKS PER PROCESSOR], [WORKSTATION SERVER].[SPEC FP92], [WORKSTATION
SERVER].[SPEC INT92], [WORKSTATION SERVER].MIPS, [WORKSTATION SERVER].[MFLOPS
RATING], [WORKSTATION SERVER].[TPC-A TRANSACTION PER SEC], [WORKSTATION
SERVER].[COST PER TPS (A) $], [WORKSTATION SERVER].[DATA BASE USED (A)], [WORKSTATION
SERVER].[OPERATING SYSTEM REVISION (A)], [WORKSTATION SERVER].[TPC-B TRANSACTION PER
SEC], [WORKSTATION SERVER].[COST PER TPS (B) $], [WORKSTATION SERVER].[DATA BASE USED
(B)], [WORKSTATION SERVER].[OPERATING SYSTEM REVISION (B)], [WORKSTATION
SERVER].[BUILT-IN NETWORK INTERFACE], [WORKSTATION SERVER].[NETWORKING PROTOCOLS
SUPPORTED], [WORKSTATION SERVER].[OPERATING SYSTEM], [WORKSTATION SERVER].[DERIVED
FROM], [WORKSTATION SERVER].[LANGUAGES SUPPORTED], [WORKSTATION SERVER].[DATABASE
SUPPORTED], [WORKSTATION SERVER].[HIGHT X WIDTH X DEPTH (INCHES)], [WORKSTATION
SERVER].[WEIGHT (LB)], [WORKSTATION SERVER].[SUGGESTED RETAIL PRICE], [WORKSTATION
SERVER].[ENTRY-LEVEL PACKAGE CONFIGURATION], [WORKSTATION SERVER].COMMENTS,
[Forms]![Q WORKSTATION SERVER]![Field13] AS Expr1, [Forms]![Q WORKSTATION SERVER]![Field15]
AS Expr2, [Forms]![Q WORKSTATION SERVER]![Field17] AS Expr3
FROM [WORKSTATION SERVER]
WHERE (([WORKSTATION SERVER].[MICROPROCESSOR CLOCK SPEED (MHZ)]=[Forms]![Q
WORKSTATION SERVER]![Field13]) AND ([WORKSTATION SERVER].[NUMBER OF PROCESSOR
SUPPORT]=[Forms]![Q WORKSTATION SERVER]![Field15]) AND ([WORKSTATION SERVER].[BUS
ARCHITECTURE]=[Forms]![Q WORKSTATION SERVER]![Field17]));
```

**Query Parameters**

Name	Type
Forms![Q WORKSTATION SERVER]!Field13	Text
Forms![Q WORKSTATION SERVER]!Field15	Text
Forms![Q WORKSTATION SERVER]!Field17	Text

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
guest	




**Group Permissions**

Admins	Delete, Read Permissions, Set Permissions, Change Owner
Guests	
Users	Delete, Read Permissions, Set Permissions, Change Owner



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



ภาคผนวก จ

ตัวอย่าง รายงาน (REPORT)

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

รายการอุปกรณ์	บริษัทผู้ขาย	ผลิตภัณฑ์	จำนวน	ราคา / หน่วย
แบบที่ 1				
DATA ENCRYPTION DEVICE	Datotek, Inc.	DFE-7000	1	
DATA ENCRYPTION DEVICE	Datotek, Inc.	DLE-7000	1	3750
DATA ENCRYPTION DEVICE	Dynatech Communicatio	Cybercrypt X.25	1	None identified
DATA ENCRYPTION DEVICE	IBM	4753 Network Security Processo	1	36730
DATA ENCRYPTION DEVICE	Jones Futurex, Inc.	ENC-526	1	1100
DATA ENCRYPTION DEVICE	Jones Futurex, Inc.	ENC-526	1	1100
DATA ENCRYPTION DEVICE	Technical Communicatio	Cipher X5000A	1	Contact vendor
DESKTOP SYSTEM	Acer America Corp.	AcerPower 8000 (DX/33)	1	1525
DESKTOP SYSTEM	Acer America Corp.	ACROS 6000 (DX/33)	1	1280
MICRO COMPUTER ENCRYP	Algorithmic Research Lt	ARCryptoSafe 1.0	1	Contact vendor
MICRO COMPUTER ENCRYP	uti-maco GmbH	OS/2-Guard easy	2	230
PC HIGH-END	Apricot Computers Ltd.	XEN-PC 566	1	2524
PC HIGH-END	Apricot Computers Ltd.	XEN-PCIs 566	1	2799
PC HIGH-END	Gateway 2000	P5-66 Multimedia	1	2199
PC LOW-END	Acer Incorporated	AcerPower 486/E	1	1635

รายการอุปกรณ์	บริษัทผู้ขาย	ผลิตภัณฑ์	จำนวน	ราคา / หน่วย
PC LOW-END	Digital Equipment Corp.	DECpc 433dx MTE	1	2085
PC LOW-END	Mitac International Corp	Tower 4280G	1	1290
PC MID-RANGE	Apricot Computers Ltd.	LS PRO 486DX2-66	2	1599
PC MID-RANGE	AST Research Inc.	Bravo LC 4/66d	1	1770
PC MID-RANGE	IBM	PS/1 Model 2155 (486DX2/66)	1	1575
PORTABLE SYSTEM	Zenith Data Systems Cor	Z-NOTEFLEX M (DX4/100)	1	2783
WORKSTATION SERVER	Apple Computer, Inc.	Quadra 800 Server	1	4679
WORKSTATION SERVER	Apple Computer, Inc.	Workgroup Server 95	1	7589
		รวม	25	
แบบที่ 2				
DATA ENCRYPTION DEVICE	Cylink Corp.	Secure PC	1	595
DESKTOP SYSTEM	Acer America Corp.	AcerPower 8000 (DX/33)	1	1525
DESKTOP SYSTEM	Acer America Corp.	ACROS 6000 (DX/33)	1	1280
MICRO COMPUTER ENCRYP	uti-maco GmbH	OS/2-Guard easy	2	230
PC HIGH-END	Apricot Computers Ltd.	XEN-PCIs 566	1	2799



รายการอุปกรณ์	บริษัทผู้ขาย	ผลิตภัณฑ์	จำนวน	ราคา / หน่วย
PC HIGH-END	Data General Corp.	Dasher II-Pentium/60TE2	1	6512 GBP (16MB RAM; 2GB HD)
PC LOW-END	Acer Incorporated	AcerPower 486/E	1	1635
PC LOW-END	Digital Equipment Corp.	DECpc 433dx MTE	1	2085
PC LOW-END	Mitac International Corp	Tower 4280G	1	1290
PC LOW-END	VOBIS Microcomputer	Colani-Desk 486 DX-40	3	No
PC MID-RANGE	Apricot Computers Ltd.	LS PRO 486DX2-66	2	1599
PC MID-RANGE	Apricot Computers Ltd.	XEN-PC DX2/66	2	1599
PC MID-RANGE	AST Research Inc.	Bravo LC 4/66d	1	1770
PC MID-RANGE	IBM	PS/1 Model 2155 (486DX2/66)	1	1575
PC MID-RANGE	Mitac International Corp	SuperGreen 4280iT	1	None identified
PORTABLE SYSTEM	Zenith Data Systems Cor	Z-NOTEFLEX M (DX4/100)	1	2783
WORKSTATION SERVER	Apple Computer, Inc.	Quadra 800 Server	1	4679
WORKSTATION SERVER	Apple Computer, Inc.	Workgroup Server 95	1	7589
			รวม	23
			รวมทั้งสิ้น	48

## รายงานการคัดเลือกอุปกรณ์คอมพิวเตอร์แบบที่ 1

รายการอุปกรณ์	บริษัทผู้ขาย	ผลิตภัณฑ์	จำนวน	ราคา / หน่วย
DATA ENCRYPTION DEVICE				
	Datotek, Inc.	DFE-7000	1	
	Datotek, Inc.	DLE-7000	1	3750
	Dynatech Communications	Cybercrypt X.25	1	None identified
	IBM	4753 Network Security Processo	1	36730
	Jones Futurex, Inc.	ENC-526	1	1100
	Jones Futurex, Inc.	ENC-526	1	1100
	Technical Communications Corp.	Cipher X5000A	1	Contact vendor
			<u>7</u>	
			รวม	
DESKTOP SYSTEM				
	Acer America Corp.	AcerPower 8000 (DX/33)	1	1525
	Acer America Corp.	ACROS 6000 (DX/33)	1	1280
			<u>2</u>	
			รวม	

รายการอุปกรณ์	บริษัทผู้ขาย	ผลิตภัณฑ์	จำนวน	ราคา / หน่วย
MICRO COMPUTER ENCRYPTION ACCESS				
	Algorithmic Research Ltd.	ARCryptoSafe 1.0	1	Contact vendor
	uti-maco GmbH	OS/2-Guard easy	2	230
		รวม	3	
PC HIGH-END				
	Apricot Computers Ltd.	XEN-PC 566	1	2524
	Apricot Computers Ltd.	XEN-PCIs 566	1	2799
	Apricot Computers Ltd.	XEN-PC 566	1	2524
	Gateway 2000	P5-66 Multimedia	1	2199
	Gateway 2000	P5-66 Multimedia	1	2199
		รวม	5	
PC LOW-END				
	Acer Incorporated	AcerPower 486/E	1	1635

## รายงานการคัดเลือกอุปกรณ์คอมพิวเตอร์แบบที่ 1

รายการอุปกรณ์	บริษัทผู้ขาย	ผลิตภัณฑ์	จำนวน	ราคา / หน่วย
PC MID-RANGE	Digital Equipment Corp.	DECpc 433dx MTE	1	2085
	Mitac International Corp.	Tower 4280G	1	1290
			รวม	3
	Apricot Computers Ltd.	LS PRO 486DX2-66	2	1599
	AST Research Inc.	Bravo LC 4/66d	1	1770
PORTABLE SYSTEM	IBM	PS/1 Model 2155 (486DX2/66)	1	1575
			รวม	4
WORKSTATION SERVER	Zenith Data Systems Corp.	Z-NOTEFLEX M (DX4/100)	1	2783
			รวม	1



## รายงานการคัดเลือกอุปกรณ์คอมพิวเตอร์แบบที่ 1

รายการอุปกรณ์	บริษัทผู้ขาย	ผลิตภัณฑ์	จำนวน	ราคา / หน่วย
	Apple Computer, Inc.	Workgroup Server 95	1	7589
	Apple Computer, Inc.	Quadra 800 Server	1	4679
		รวม	2	



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

รายการอุปกรณ์ DATA ENCRYPTION DEVICE ที่ตรงกับข้อกำหนดที่ระบุ

page

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

MODEL TYPE Standalone TERMINAL INTERFACE RJ-11; RS-232-C; V.26; V.32 STANDARD ALGORITHM NSA Type I STU III

รายการอุปกรณ์ DATA ENCRYPTION DEVICE ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: AT&T Federal Systems

PRODUCT: Secure Data Device Model 1900

ENCRYPTION APPROACH: End-to-end

MODEL TYPE: Standalone

FS 1027 OR FIPS 140 COMPLIANCE: Not available

AUTOMATIC CIPHER SYNCHRONIZATION: No

TERMINAL INTERFACE RJ-11; RS-232-C; V.26; V.32

MODE SUPPORTED IN DES: Not available

TRANSMISSION CONFIGURATION: Point-to-point

OPTIONAL ALGORITHM: Not available

MODE: Full duplex; half duplex

STANDARD ALGORITHM: NSA Type I STU III

SYNCHRONIZATION: Asynchronous; synchronous

NUMBER OF ALGORITHMS USED: Does not apply

SYNCHRONOUS DATA RATE (BITS/SECOND): 2400; 4800; 9600

ASYNCHRONOUS DATA RATE (BITS/SECOND): 2400; 4800; 9600

MESSAGE AUTHENTICATION: No

DIAGNOSTICS: Loop-back test; on-demand diagnostics

WEAK/DUAL KEY DETECTION: Does not apply

FAILSAFE OPERATION: Does not apply

VOICE ENCRYPTION: No

MECHANICAL LOCK CASE: No lock

PROTOCOL: Does not apply

TAMPER RESISTANCE: Automatic zeroing

CLEARTEXT OPERATION: Yes

KEY SOURCE: Does not apply

DATE OF FIRST DELIVERY: 33420

KEY GENERATION APPROACH: Does not apply

LISTED ON GSA SCHEDULE: No

KEY GENERATION UNIT NSA Type I STU III

COMMENT: Rackmount available

KEY DISTRIBUTION: Down-line

รายการอุปกรณ์ DATA ENCRYPTION DEVICE ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

MODEL TYPE Standalone

TERMINAL INTERFACE

RJ-11; RS-232-C; V.26; V.32 STANDARD ALGORITHM NSA Type 1 STU III

KEYPOWER BACKUP: None identified

PURCHASE PRICE: 2145



รายการอุปกรณ์ DATA ENCRYPTION DEVICE ที่ตรงกับข้อกำหนดที่ระบุ

page

3

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

MODEL TYPE Standalone

TERMINAL INTERFACE

RJ-11; RS-232-C; V.26; V.32 STANDARD ALGORITHM NSA Type 1 STU III

รายการอุปกรณ์ DATA ENCRYPTION DEVICE ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: AT&T Federal Systems

PRODUCT: Secure Data Device Model 1100

ENCRYPTION APPROACH: End-to-end

MODEL TYPE: Standalone

FS 1027 OR FIPS 140 COMPLIANCE: Not available

AUTOMATIC CIPHER SYNCHRONIZATION: No

TERMINAL INTERFACE RJ-11; RS-232-C; V.26; V.32

MODE SUPPORTED IN DES: Does not apply

TRANSMISSION CONFIGURATION: Point-to-point

OPTIONAL ALGORITHM: Not available

MODE: Full duplex; half duplex

STANDARD ALGORITHM: NSA Type 1 STU III

SYNCHRONIZATION: Asynchronous; synchronous

NUMBER OF ALGORITHMS USED: Does not apply

SYNCHRONOUS DATA RATE (BITS/SECOND): 2400; 4800; 9600

ASYNCHRONOUS DATA RATE (BITS/SECOND): 2400; 4800; 9600

MESSAGE AUTHENTICATION: No

DIAGNOSTICS: Loop-back test; on-demand diagnostics

WEAK/DUAL KEY DETECTION: Does not apply

FAILSAFE OPERATION: No

VOICE ENCRYPTION: Yes

MECHANICAL LOCK CASE: No lock

PROTOCOL: Does not apply

TAMPER RESISTANCE: Automatic zeroing

CLEARTEXT OPERATION: Yes

KEY SOURCE: Does not apply

DATE OF FIRST DELIVERY: 33420

KEY GENERATION APPROACH: Does not apply

LISTED ON GSA SCHEDULE: No

KEY GENERATION UNIT NSA Type 1 STU 111

COMMENT: Rackmount available

KEY DISTRIBUTION: Down-line



รายการอุปกรณ์ DATA ENCRYPTION DEVICE ที่ตรงกับข้อกำหนดที่ระบุ

page 4

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

MODEL TYPE Standalone

TERMINAL INTERFACE

RJ-11; RS-232-C; V.26; V.32 STANDARD ALGORITHM NSA Type 1 STU III

KEYPOWER BACKUP: None identified

PURCHASE PRICE: 2145



# รายการอุปกรณ์ DESKTOP SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

PAGE 1

DATE : 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR CLOCK SPEED Intel i486DX2/66 and 33      GRAPHIC RESOLUTION : Ultra VGA/1,024 x 768      BUS TYPE ISA

## รายการอุปกรณ์ DESKTOP SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: Acer America Corp.

PRODUCT: AcerPower 8000 (DX2/66)

PROCESSOR/CLOCK SPEED (MHZ): Intel i486DX2/66 and 33

DRIVE BAYS (TOTAL AVAILABLE): 32996

CPU UPGRADE AVAILABLE: Yes

STANDARD/INCLUDE DISKETTE DRIVE: 1.44MB

STD/MAX RAM WITHOUT USING SLOTS (BYTES): 4M/64M

INT HARD DISK EXPANDABLE TO (BYTES): 540M

SYSTEM RAM EXPANDABLE TO (BYTES): 64M

HARD DISK INTERFACE: IDE

CACHE MEMORY INT/EXT (KB): 8/128

STANDARD PARALLEL PORT: 1

CACHE MEMORY EXPANDABLE TO (KB): 256

SINGLE UNIT PRICE: 1,800 (1/94)

MAXIMUM GRAPHICS/RESOLUTION: Ultra VGA/1,024 x 768

STANDARD WARRANTY (MONTHS): 12

BUS TYPE: ISA

DATE ANNOUNCED: 34121

EXPANSION SLOTS (32B/16B/8B) (TOTAL): 0/6/0

# รายการอุปกรณ์ DESKTOP SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

PAGE

2

DATE: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR CLOCK SPEED Intel i486DX2/66 and 33      GRAPHIC RESOLUTION: Ultra VGA/1,024 x 768      BUS TYPE ISA

## รายการอุปกรณ์ DESKTOP SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: Acer America Corp.

PRODUCT: AcerPower 8000T (DX2/66)

PROCESSOR/CLOCK SPEED (MHZ): Intel i486DX2/66 and 33

DRIVE BAYS (TOTAL AVAILABLE): 33091

CPU UPGRADE AVAILABLE: Yes

STANDARD/INCLUDE DISKETTE DRIVE: 1.44MB

STD/MAX RAM WITHOUT USING SLOTS (BYTES): 4M/64M

INT HARD DISK EXPANDABLE TO (BYTES): 520M

SYSTEM RAM EXPANDABLE TO (BYTES): 64M

HARD DISK INTERFACE: IDE

CACHE MEMORY INT/EXT (KB): 8/128

STANDARD PARALLEL PORT: 1

CACHE MEMORY EXPANDABLE TO (KB): 256

SINGLE UNIT PRICE: 1,800 (1/94)

MAXIMUM GRAPHICS/RESOLUTION: Ultra VGA/1,024 x 768

STANDARD WARRANTY (MONTHS): 12

BUS TYPE: ISA

DATE ANNOUNCED: 34274

EXPANSION SLOTS (32B/16B/8B) (TOTAL): 0/6/0

# รายการอุปกรณ์ DESKTOP SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

DATE : 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR CLOCK SPEED Intel i486DX2/66 and 33      GRAPHIC RESOLUTION : Ultra VGA/1,024 x 768      BUS TYPE ISA

## รายการอุปกรณ์ DESKTOP SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: Acer America Corp.

PRODUCT: ACROS 6000 (DX2/66)

PROCESSOR/CLOCK SPEED (MHZ): Intel i486DX2/66 and 33

DRIVE BAYS (TOTAL AVAILABLE): 32965

CPU UPGRADE AVAILABLE: Yes

STANDARD/INCLUDE DISKETTE DRIVE: 1.44MB

STD/MAX RAM WITHOUT USING SLOTS (BYTES): 4M/68M

INT HARD DISK EXPANDABLE TO (BYTES): 540M

SYSTEM RAM EXPANDABLE TO (BYTES): 68M

HARD DISK INTERFACE: IDE

CACHE MEMORY INT/EXT (KB): 36739

STANDARD PARALLEL PORT: 1

CACHE MEMORY EXPANDABLE TO (KB): 256

SINGLE UNIT PRICE: 1,555 (1/94)

MAXIMUM GRAPHICS/RESOLUTION: Ultra VGA/1,024 x 768

STANDARD WARRANTY (MONTHS): 12

BUS TYPE: ISA

DATE ANNOUNCED: 34121

EXPANSION SLOTS (32B/16B/8B) (TOTAL): 0/2/0



รายการอุปกรณ์ DIASTER RECOVER SITE ที่ตรงกับข้อกำหนดที่ระบุ

page

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

HOST SYSTEM SUPPORTED IBM AS/400, Sys/38, Sys/36, Sys/34

รายการอุปกรณ์ DIASTER RECOVER SITE ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: XL/Datacomp, Inc.

TELEPHONE NUMBER FOR SITE: 714-579-2000

SITE LOCATION (METRO AREA): Anaheim

TYPE OF SERVICES: Cold site; hot site; warm site

HOST SYSTEMS SUPPORTED: IBM AS/400, Sys/38, Sys/36, Sys/34

DATA -TELECOMMUNICATIONS: Switched 56KB, dial-up

DATA CENTER SPACE PROVIDED: 4,800 sq. ft.

WORK AREA RECOVERY: Yes 2,000 sq. ft.

MAXIMUM NUMBER OF TERMINALS: 50

PERIPHERALS SUPPORTED: IBM LAN, PCs; facsimile; modem; photocopier; printer; terminals

TIME AVAILABLE FOR TESTING: 24 hrs., 7 days/week

NEAREST AIRPORT: John Wayne Orange County

USER ACCESS TO FACILITY: Access controls; restricted hours

SECURITY GUARDS/SYSTEMS MONITORING SITE: 24 hours, 365 days a year

ALARM TYPE: 24 hours

SITE: Anaheim, CA

FIRE DETECTION -SUPPRESSION SYSTEMS: Sprinkler

EMERGENCY BACKUP SYSTEMS: UPS; dual power source

TECHNICAL SUPPORT: 24-hour technical support available; on-site assistance; on-site install/repair

ANCILLARY SERVICES: Cots; courier services; kitchen facilities; toilets

ON-SITE DATA STORAGE FACILITIES: No

CONSULTING SERVICES: Plan formation; plan testing; risk analysis

SUBSCRIPTION RATES: Varies with configuration

TERM OF CONTRACT FOR SUBSCRIPTION: None identified

DATE OF FIRST DELIVERY: None identified

TOTAL NUMBER OF SUBSCRIBERS: None identified

MAXIMUM SUBSCRIBERS PER HOT SITE: None identified

NUMBER OF DECLARATIONS: None identified

MULTIPLE DIASTER SUPPORT: Yes

COMMENT:

รายการ DIRECTORY OF SYSTEM INTEGRATOR ที่ตรงกับข้อกำหนดที่ระบุ

page

1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

TECHNOLOGIES LAN operating systems; data communications; facsimile; graphical user interfa VENDOR ENVIRONMENT Digital Equipment Corp.; IBM; Sun Microsystems; U

รายการอุปกรณ์ DIRECTORY OF SYSTEM INTEGRATOR ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: Anamet Systems, Inc.

ADDRESS: 3400 Investment Boulevard, Hayward, CA 94545-3811

IMAGE CONSULT/INTEGRATION SERVICES: Application develop.; cost analysis; document conversion; equipment selection & evaluation; feasibility studies; interface/system design; productivity assessments; project management & control; systems integration; systems programming

TELEPHONE: 1 510 887 8811

VERTICAL MARKET INSTALL (%): Federal government 10; insurance 3; legal 5; military 5; scientific/engineering 10; state/local government 5; utilities 5

DATE ESTABLISHED: 1985

APPLICATION INSTALLED: Document image processing/retrieval; forms management & design; records management; transaction processing

NUMBER OF IMAGING SERVICE PROVIDERS: Under 50

TECHNOLOGIES UTILIZED: LAN operating systems; data communications; facsimile; graphical user interfaces (GUIs); intelligent character recognition; local area networks (LANs); mainframes; microcomputers; optical character recognition; optical storage; workstations

NUMBER OF MANAGE SYSTEM INSTALLED: 50

VENDOR ENVIRONMENT: Digital Equipment Corp.; IBM; Sun Microsystems; Unisys

ANNUAL SYSTEM INTEGRATION REVENUE: 1M

GEOGRAPHIC AREAS SERVED: United States

ANNUAL REV DERIVED FR IMAGE (%): 100

# รายการอุปกรณ์ NETWORK MANAGEMENT SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date : 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

OPERATING SYSTEM AIX; IRIX; Solaris; SunOS; U PLATFORM Spectrum

รายการอุปกรณ์ DATA ENCRYPTION DEVICE ที่ตรงกับข้อกำหนดที่ระบุ

VENDOR: Cabletron Systems, Inc.

PRODUCT: SPECTRUM 2.0

DATE AVAILABLE: 34121

INSTALLATION PROVIDED BY: Integrators; vendor

SERVICED BY: Dealer; integrators; vendor

NUMBER INSTALLED: 2000

COMPUTER SYSTEM SUPPORTED: DEC; IBM; IBM RISC/6000; SGI;

OPERATING SYSTEM: AIX; IRIX; Solaris; SunOS; ULTRIX; UNIX

PLATFORM: Spectrum

USER INTERFACE: Graphical; menu driven; text based

DATABASE MANAGEMENT SYSTEMS: API to customer database; obj

STANDALONE AND API SUPPORT: CORBA; DME; OMNIPoint

MAXIMUM NUMBER OF NODES MANAGE: 3,000 per server

PRICE: 15000

EMS INTERFACE AVAILABLE: Any SNMP device with Level II Toolkit

EMS INTERFACE CAPABILITIES: Capturing/forwarding alerts; issues commands

EMS INTERFACE METHOD: SNMP

NETWORK MANAGEMENT PROTOCOLS: NetView/NMVT; SNMP; proprietary

NETWORK MAP FEATURES: Auto discovery; auto topology; click & zoom; color icons;

CONFIGURATION FUNCTIONS: Downloads config. params.; hierarchical grouping; info

FAULT ISOLATION: Alarm corr'tn; alarm display; remote cmnd/ctrl; expert sys. API; inter

FAULT/EVENT MANAGEMENT Event filtering; event filtering (user-editable parameters);

PERFORMANCE STATISTICS: Error counts; network traffic loading & variance; system r

MANAGEMENT REPORTS: Alarm log; current activity; history; inventory; schematics; tro

SECURITY: Access control; authentication scheme; multilevel password

CHARGEBACK INFORMATION PROVIDED: Network usage costs; calc. chargeback;

COMMENT:

รายการอุปกรณ์ NETWORK MANAGEMENT SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

OPERATING SYSTEM    AIX; IRIX; Solaris; SunOS; U    PLATFORM    Spectrum





รายการอุปกรณ์ LAN/ HUB CONCENTRATOR MUA ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

TYPE OF DEVICE	Hub	CONFIGURATION	Modular chassis
MEDIA SUPPORT	Optical fiber; UTP	NMS SUPPORT	SNMP; SunNet and Open View platforms
VENDOR:	3Com Corp.	NETWORK MANAGEMENT SUPPORTED:	SNMP; SunNet and OpenView platforms
PRODUCT:	LANplex 5000 Family 3C5004	MAX NUMBER OF PORTS SUPPORTED:	88 or 42 FDDI
TYPE OF DEVICE:	Hub	INTELLIGENT FEATURES:	Bridging capability; fault isolation; routing capability
CONFIGURATION:	Modular chassis	PRICE:	16,800
LANS SUPPORTED:	Ethernet (10BASE-T); Ethernet (thick/thin); FDDI	DATE OF FIRST DELIVERY:	33390
MEDIA SUPPORTED:	Optical fiber; UTP	STANDARD WARRANTY:	90 days
SERVICE SUPPLIED BY:	Vendor	COMMENT:	Product available worldwide.

รายการอุปกรณ์ LAN/ HUB CONCENTRATOR MUA ที่ตรงกับข้อกำหนดที่ระบุ

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

TYPE OF DEVICE	Hub	CONFIGURATION	Modular chassis
MEDIA SUPPORT	Optical fiber; UTP	NMS SUPPORT	SNMP; SunNet and OpenView platforms
VENDOR:	3Com Corp.	NETWORK MANAGEMENT SUPPORTED:	SNMP; SunNet and OpenView platforms
PRODUCT:	LANplex 6000 3c6012	MAX NUMBER OF PORTS SUPPORTED:	88 switched or 132 FDDI
TYPE OF DEVICE:	Hub	INTELLIGENT FEATURES:	Bridging capability; fault isolation
CONFIGURATION:	Modular chassis	PRICE:	28573
LANS SUPPORTED:	Ethernet (10BASE-T); Ethernet (thick/thin); FDDI;	DATE OF FIRST DELIVERY:	34274
MEDIA SUPPORTED:	Optical fiber; UTP	STANDARD WARRANTY:	90 days
SERVICE SUPPLIED BY:	Vendor	COMMENT:	Product available worldwide.

รายการอุปกรณ์ LAN/ NETWORK OPERATING SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

page

1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

NETWORK OS Peer to peer

SERVER OS DOS

LAN SUPPORTED Ethernet (10BASE-T); Ethernet (thick/thin)

PROTOCOL SUPPORTED None

VENDOR: Artisoft, Inc.

PROTOCOLS SUPPORTED: None

PRODUCT: LANtastic 5.0

LAN SUPPORTED: Ethernet (10BASE-T); Ethernet (thick/thin)

NETWORK OPERATING SYSTEM TYPE: Peer to peer

PRICE: 99 (single node)

SERVER MEMORY REQUEST MIN (BYTES): 50K

DATE OF FIRST DELIVERY: June 1991 (4.0)

SERVER OPERATING SYSTEM: DOS

SUPPORT SUPPLIED BY: Vendor

WORKSTATION MEMORY REQUEST MIN (BYTE): 13K

COMMENT: Supports Windows and works with a NetWare network.

NETWORK INTERFACE STANDARDS SUPPORTED: NETBIOS

รายการอุปกรณ์ PORTABLE SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR SPEED (MHZ)	Intel SL-enhanced i486SX/33	STANDARD/MAXIMUM RAM (BYTE)	4M/12M
DISPLAY TECHNOLOGY	Mono	PCMCIA SLOTS (NUMBER/TYPE)	(1) Type III
VENDOR:	Acer America Corp.	KEYBOARD (NUMBER OF KEYS):	86
PRODUCT:	AcerNote 735	POINTING DEVICE (INTERNAL/EXTERNAL):	Yes/no
PROCESSOR/SPEED (MHZ):	Intel SL-enhanced i486SX/33	INTEGRATED AUDIO:	No
STANDARD/MAXIMUM RAM (BYTES):	4M/12M	PCMCIA SLOTS (NUMBER AND TYPE):	(1) Type III
DISPLAY SITE (INCHES,DIAGONAL):	9.5	REMOVABLE DISK DRIVE:	Yes
DISPLAY TECHNOLOGY:	Mono	PORT REPLICATOR/DOCKING STATION AVAILABLE:	No/no
MAX RESOLUTION (PIXELS) AND COLORS OR GRAYS:	640 x 480 x 64	BATTERY (HOURS/TYPE):	3/NiCd
EXT/MAX/RESOLUTION (PIXELS) AND NUMBER COLORS	1024 x 768 x 16	WEIGHT W/BATTERY (POUNDS):	5.9
DUAL DISPLAY MODE:	Yes	DIMENSIONS (H-W-D INCHES):	1.8 x 11.4 x 8.6
PRICE:	1,799 (2/94)	STANDARD WARRANTY (MONTHS):	12
SYSTEM TYPE:	Notebook		



# รายการอุปกรณ์ UPS ที่ตรงกับข้อกำหนดที่ระบุ

page

7

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

COMPUTER SUPPORTED LAN/server; workstation

UPS TYPE Online

POWER RATING (KVA) 1

BATTERY TYPE Sealed maintenance free

VERDOR: Alpha Technologies Inc.

OUTPUT RECEPTACLES: 6, 5-15R

PRODUCT: CFR 1000/1000E

DIMENSIONS (H-W-D INCHES): 16.5 x 8.5 x 16.5

UPS TYPE: Online

WEIGHT (LB): 108

COMPUTER SYSTEM SUPPORTED: LAN/server; workstation

OPERATING TEMPERATURE RANGE (C): 0 to 53

POWER RATING (KVA): 1

STORAGE TEMPERATURE RANGE (C): 60

INPUT VOLTAGE RANGE: 120; 230

HUMIDITY (% NONCONDENSING): 95

INPUT FREQUENCY: 50 Hz; 60 Hz

HEAT DISSIPATION (BTU): 185

OUTPUT POWER (VA): 1000

OPERATING NOISE LEVEL (DB): 32

FREQUENCY: 50 Hz; 60 Hz

PRICE: 1,569

HARMONIC DISTORTION: 0.04

SERVICE BY: Factory

POWER FACTOR (LEAD/LAG): 0.67

DATE AVAILABLE: 1993

EXTERNAL BATTERY AVAILABLE: Yes

COMMENT: RS-232 serial port and RS-485 port, dial in/dial out modem.

INTERNAL BATTERY AVAILABLE: Yes

BATTERY TYPE: Sealed maintenance free

FULL LOAD/HALF LOAD (MINUTES): 20/40

INPUT CONNECTION: 5-15P; L5-15P

## รายการอุปกรณ์ UPS ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date: 11-Oct-94

### ข้อกำหนดของอุปกรณ์ที่ระบุ

COMPUTER SUPPORTED	LAN/server; workstation	UPS TYPE	Online
POWER RATING (KVA)	1	BATTERY TYPE	Sealed maintenance free
VERDOR:	Superior Electric	OUTPUT RECEPTACLES:	4 NEMA 5-15R
PRODUCT:	STABiline UPSY 61010	DIMENSIONS (H-W-D INCHES):	9.85 x 5.9 x 15.75
UPS TYPE:	Online	WEIGHT (LB):	51
COMPUTER SYSTEM SUPPORTED:	LAN/server; workstation	OPERATING TEMPERATURE RANGE (C):	0-40
POWER RATING (KVA):	1	STORAGE TEMPERATURE RANGE (C):	65
INPUT VOLTAGE RANGE:	96-132	HUMIDITY (% NONCONDENSING):	90
INPUT FREQUENCY:	60 Hz	HEAT DISSIPATION (BTU):	Not available
OUTPUT POWER (VA):	120, +/-5%	OPERATING NOISE LEVEL (DB):	45
FREQUENCY:	60 Hz	PRICE:	1995
HARMONIC DISTORTION:	0.08	SERVICE BY:	Factory
POWER FACTOR (LEAD/LAG):	0.7	DATE AVAILABLE:	1991
EXTERNAL BATTERY AVAILABLE:	No	COMMENT:	UL & CSA
INTERNAL BATTERY AVAILABLE:	Yes		
BATTERY TYPE:	Sealed maintenance free		
FULL LOAD/HALF LOAD (MINUTES):	33105		
INPUT CONNECTION:	NEMA 5-15P		

# รายการอุปกรณ์ VOICE SECURITY SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

**PRODUCT TYPE** Encryptor in form of STU-III telephone      **ALGORITHM** Government approved for Types I, II, III, and I

**VENDOR:** AT&T Federal Systems      **CODES AVAILABLE:** None identified

**PRODUCT:** Security Plus STU-III      **SAMPLE RATE:** Not applicable

**PRODUCT TYPE:** Encryptor in form of STU-III telephone      **SYNCHRONIZATION:** Synchronous; asynchronous

**ALGORITHM:** Government approved for Types I, II, III, and IV      **REQUIRED BANDWIDTH (HZ):** 2.4 to 9.6

**INTERNAL MODEM:** Yes      **OPERATION MODE:** Full duplex; half duplex

**MODEM SPEED:** 2.4K bps; 4.8K bps      **SYSTEM DELAY:** None identified

**APPLICATIONS FOR PRODUCT:** Cellular telephone; analog phone connections to all comp      **DATA RATE SUPPORTED (BFS):** 1200; 2400; 4800; 9600

**ENCRYPTION METHOD:** None identified      **INTERFACE:** None identified

**SCRAMBLING TECHNIQUE:** Not applicable      **DIMENSIONS (H-W-L INCHES):** None identified

**CLEARTEXT OPERATION:** Yes      **WEIGHT:** None identified

**KEY MANAGEMENT PROCEDURES:** Automatic to users      **POWER REQUIREMENTS:** None identified

**KEY LENGTH:** None identified      **NATIONAL SECURITY AGENCY APPROVAL:** Type 1; Type 2

**RATE OF KEY CHANGE:** None identified      **TEMPEST APPROVED:** Yes

**KEY SELECTION:** None identified      **DIALING METHOD:** DTMF

**TAMPERPROOF CASE:** Yes      **FAIL-SAFE OPERATION:** Yes

**DIAGNOSTICS SUPPORTED:** Full system supported      **VENDOR SUPPORT:** Nationwide maintenance and support in the U.S.

**HANDBOOK INCLUDED:** Yes      **DATE OF FIRST DELIVERY:** 1988

**PRICE:** 2,100 for Type 1; 2,200 for Type 2      **NUMBER INSTALLED:** None identified

รายการอุปกรณ์ VOICE SECURITY SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

PRODUCT TYPE Encryptor in form of STU-III telephone

ALGORITHM Government approved for Types I, II, III, and I

WARRANTY: 24 months for Type 1; 12 months for Type 2

COMMENT: Designed to NSA specifications for STU-III desktop telephones;





# รายการอุปกรณ์ PC HIGH-END ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR	Pentium/66	NO OF PROCESSOR	1
BUS ARCHITECTURE	EISA	AVAILABLE DRIVE BAYS 1:	4
VENDOR:	Acer Incorporated	AVAILABLE DRIVE BAYS 2:	1.44M
PRODUCT:	AcerPower 486/E	STANDARD HARD DISK OPTIONS (BYTES):	340M
DATE REVISED:	6th May, 1994	TAPE OPTION:	
PROCESSOR:	Pentium/66	OTHER STORAGE OPTION (BYTES):	None identified
NO OF PROCESSOR SUPPORT:	1	LOCAL BUS TYPE:	VL-Bus
OVERDRIVE SOCKET:	Yes	LOCAL BUS SLOTS:	2
CO-PROCESSOR:	Integral	VRAM STANDARD/OPTION (BYTES):	1M/2M
STANDARD RAM (BYTES):	4M	MAXIMUM RESOLUTION (PIXELS):	1280 x 1024
MAXIMUM RAM (BYTES):	256M	SIMULTANEOUS COLORS AT MAX RESOLUTION:	256
PRIMARY CACHE (BYTES):	Integral 16K	MPC COMPLIANT:	No
SECONDARY CACHE :STD/OPT(BYTES):	None/256K	NETWORK OPERATING SYSTEMS SUPPORTED:	LAN Manager, Novell NetWare
BUS ARCHITECTURE:	EISA	OPERATING SYSTEM INCLUDED:	MS-DOS and Windows
TOTAL EXPANSION SLOTS:	8	OTHER OPERATING SYSTEMS SUPPORTED:	None identified
AVAILABLE EXPANSION SLOTS:	6	TYPE OF SYSTEM:	Desktop
STANDARD SERIAL PORTS:	2	DIMENSIONS (H-W-D INCHES):	6 x 17 x 16.5
STANDARD PARALLEL PORTS:	1	DIMENSIONS (H-W-D MM):	155 x 432 x 417
HARD DISK INTERFACE:	SCSI-2		

# รายการอุปกรณ์ PC HIGH-END ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR Pentium/66

NO OF PROCESSOR 1

BUS ARCHITECTURE EISA

PCM/CIA SLOTS: None

ENERGY STAR COMPLIANT: No

OTHER INTERFACE Mouse

BASE PRICE: None identified

TOTAL DRIVE BAYS: 6

COMMENTS: -

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

รายการอุปกรณ์ PC HIGH-END ที่ตรงกับข้อกำหนดที่ระบุ

page 3

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR Pentium/66 NO OF PROCESSOR 1

BUS ARCHITECTURE EISA

VENDOR: Compaq Computer Corp. AVAILABLE DRIVE BAYS 1: 7

PRODUCT: ProSignia 5/60 AVAILABLE DRIVE BAYS 2: 1.44M; 1.2M

DATE REVISED: STANDARD HARD DISK OPTIONS (BYTES): 535M; 1G; 2G SCSI-2

PROCESSOR: Pentium/66 TAPE OPTION: 525M; 5G DAT; 4/16G TurboDAT

NO OF PROCESSOR SUPPORT: 1 OTHER STORAGE OPTION (BYTES): CD-ROM

OVERDRIVE SOCKET: Yes LOCAL BUS TYPE: N/A

CO-PROCESSOR: Integral LOCAL BUS SLOTS: None

STANDARD RAM (BYTES): 16M VRAM STANDARD/OPTION (BYTES): None

MAXIMUM RAM (BYTES): 144M MAXIMUM RESOLUTION (PIXELS): 1024 x 768

PRIMARY CACHE (BYTES): Integral 16K SIMULTANEOUS COLORS AT MAX RESOLUTION: 256

SECONDARY CACHE :STD/OPT(BYTES): 256K/- MPC COMPLIANT: No

BUS ARCHITECTURE: EISA NETWORK OPERATING SYSTEMS SUPPORTED: Banyan Vines; MS LAN Manager;

TOTAL EXPANSION SLOTS: 7 OPERATING SYSTEM INCLUDED: MS-DOS and Windows

AVAILABLE EXPANSION SLOTS: 6 OTHER OPERATING SYSTEMS SUPPORTED: SCO Open Desktop; SCO

STANDARD SERIAL PORTS: 2 TYPE OF SYSTEM: Floorstanding

STANDARD PARALLEL PORTS: 1 DIMENSIONS (H-W-D INCHES): 22 x 9 x 17

HARD DISK INTERFACE: SCSI-2 DIMENSIONS (H-W-D MM): 557 x 228 x 438

รายการอุปกรณ์ PC HIGH-END ที่ตรงกับข้อกำหนดที่ระบุ

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR Pentium/66

NO OF PROCESSOR 1

BUS ARCHITECTURE EISA

PCM/CIA SLOTS: None

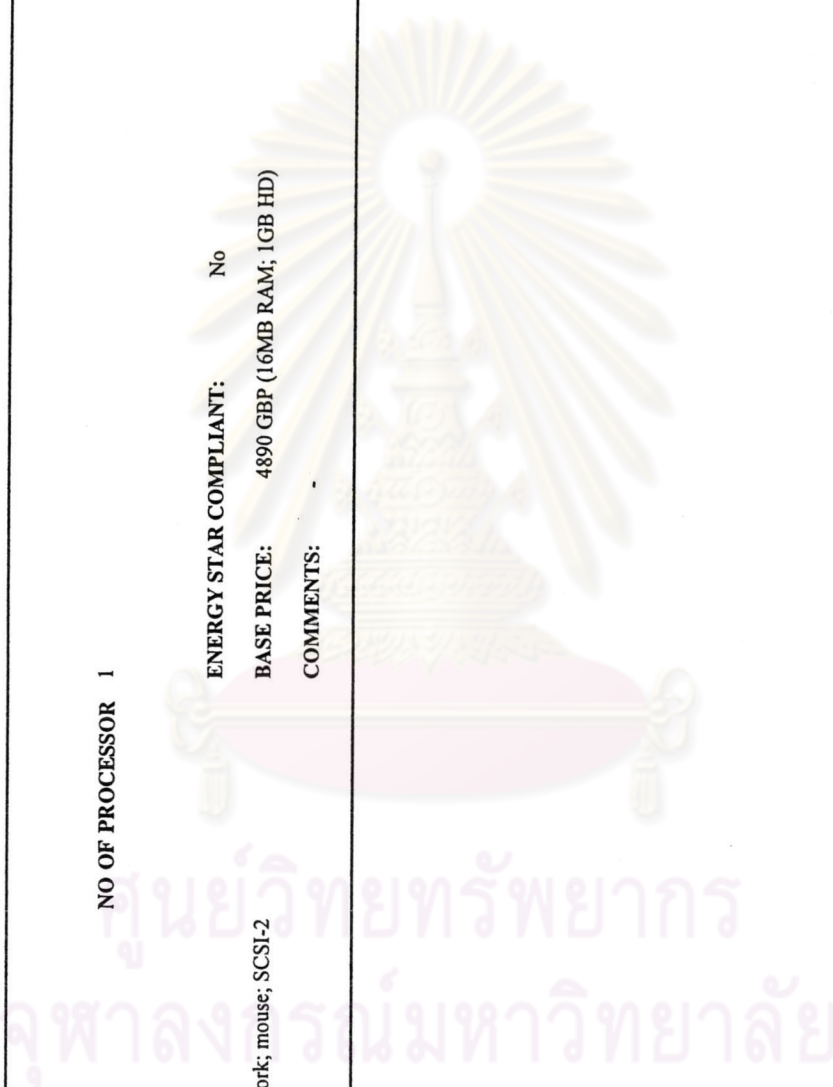
ENERGY STAR COMPLIANT: No

OTHER INTERFACE Keyboard; network; mouse; SCSI-2

BASE PRICE: 4890 GBP (16MB RAM; 1GB HD)

TOTAL DRIVE BAYS: 8

COMMENTS:





# รายการอุปกรณ์ PC HIGH-END ที่ตรงกับข้อกำหนดที่ระบุ

page 5

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR	Pentium/66	NO OF PROCESSOR	1
BUS ARCHITECTURE	EISA	AVAILABLE DRIVE BAYS 1:	3
VENDOR:	Dell Computer Corp.	AVAILABLE DRIVE BAYS 2:	1.44M
PRODUCT:	OmniPlex 566	STANDARD HARD DISK OPTIONS (BYTES):	535M; 1G; 2G
DATE REVISED:		TAPE OPTION:	80/250M; 150/250M; 525M; 4/16G DDS-2 DAT; 20G DLT
PROCESSOR:	Pentium/66	OTHER STORAGE OPTION (BYTES):	CD-ROM
NO OF PROCESSOR SUPPORT:	1	LOCAL BUS TYPE:	PCI
OVERDRIVE SOCKET:	Yes	LOCAL BUS SLOTS:	(*)
CO-PROCESSOR:	Integral	VRAM STANDARD/OPTION (BYTES):	
STANDARD RAM (BYTES):	16M	MAXIMUM RESOLUTION (PIXELS):	1280 x 1024
MAXIMUM RAM (BYTES):	192M	SIMULTANEOUS COLORS AT MAX RESOLUTION:	16
PRIMARY CACHE (BYTES):	Integral 16K	MPC COMPLIANT:	No
SECONDARY CACHE :STD/OPT(BYTES):	256K/-	NETWORK OPERATING SYSTEMS SUPPORTED:	Novell NetWare
BUS ARCHITECTURE:	EISA	OPERATING SYSTEM INCLUDED:	MS-DOS and Windows
TOTAL EXPANSION SLOTS:	5	OTHER OPERATING SYSTEMS SUPPORTED:	OS/2; SCO UNIX;; Solaris
AVAILIBLE EXPANSION SLOTS:	5(*)	TYPE OF SYSTEM:	Desktop
STANDARD SERIAL PORTS:	2	DIMENSIONS (H-W-D INCHES):	
STANDARD PARALLEL PORTS:	1	DIMENSIONS (H-W-D MM):	None identified
HARD DISK INTERFACE:	SCSI-2		

รายการอุปกรณ์ PC HIGH-END ที่ตรงกับข้อกำหนดที่ระบุ

page 6

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

PROCESSOR Pentium/66

NO OF PROCESSOR 1

BUS ARCHITECTURE EISA

PCM/CIA SLOTS: None

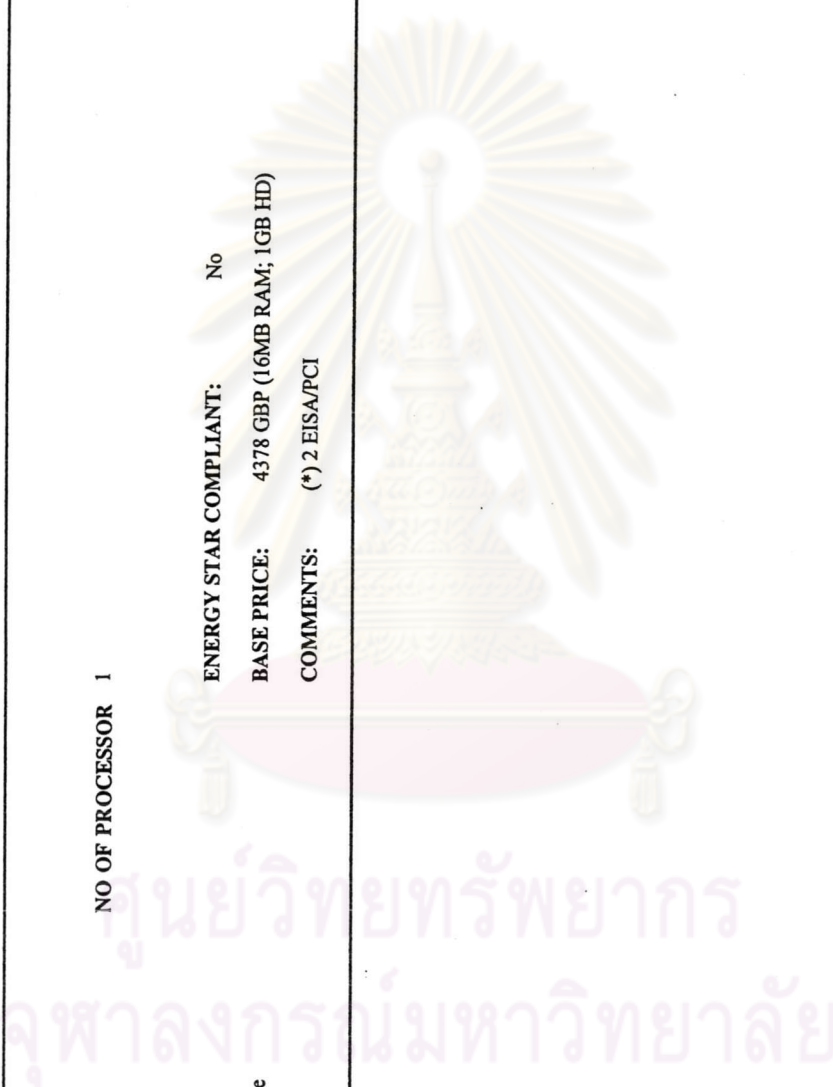
OTHER INTERFACE Keyboard; mouse

ENERGY STAR COMPLIANT: No

BASE PRICE: 4378 GBP (16MB RAM; 1GB HD)

COMMENTS: (\*) 2 EISA/PCI

TOTAL DRIVE BAYS: 5



# รายการอุปกรณ์ PC MID-RANGE ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

Processor: I486DX2/66

No of Processor 1

Bus Architecture ISA

VENDOR: Acer Incorporated

PRODUCT: AcerAcross

NO OF PROCESSORS SUPPORTED: 1

PROCESSOR: I486DX2/66

DATE REVISED: 9th May, 1994

OVER DRIVE SOCKET: Yes

CO PROCESSOR: Integral

STANDARD RAM (BYTES): 4M

MAXIMUM RAM (BYTES): 16M

PRIMARY CACHE (BYTES): Integral 8K

SECONDARY CACHE :STD/OPTIONAL (BYTES): None/256K

BUS ARCHITECTURE: ISA

TOTAL EXPANSION SLOTS: 4

AVAILABLE EXPANSION SLOTS: 4

HARD DISK INTERFACE: IDE

PCMCIA SLOTS: None

OTHER I/O INTERFACE: Mouse

TOTAL DRIVE BAYS: 3

AVAILABLE DRIVE BAYS 1: 1

AVAILABLE DRIVE BAYS 2: 1.44M

STANDARD HARD DISK OPTIONS (BYTES): 170M

TAPE OPTIONS: None identified

OTHER STORAGE OPTIONS (BYTES): None identified

LOCAL BUS TYPE: Proprietary

LOCAL BUS SLOTS: None

VRAM STANDARD/OPTIONAL (BYTES): 512K/2M

MAXIMUM RESOLUTION (PIXELS): 1280 x 1024

SIMULTANEOUS COLORS AT MAX RESOLUTION: 256

MPC COMPLIANT: No

STANDARD SERIAL PORTS: 2

STANDARD PARALLEL PORTS: 1

NETWORK OPERATING SYSTEMS SUPPORTED: LAN Manager, Novell NetWare

OPERATING SYSTEM INCLUDED: MS-DOS and Windows

OTHER OPERATING SYSTEM SUPPORTED: None identified

รายการอุปกรณ์ PC MID-RANGE ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

Processor: I486DX2/66

No of Processor 1

Bus Architecture ISA

DIMENSIONS (H-W-D INCHES): 5 x 14.5 x 16.5

TYPE OF SYSTEM: Desktop

DIMENSIONS (H-W-D MM): 128 x 368 x 418

BASE PRICE: None identified

ENERGY STAR COMPLIANT: Yes

COMMENT: -



# รายการอุปกรณ์ PC MID-RANGE ที่ตรงกับข้อกำหนดที่ระบุ

page 3

date : 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

Processor : I486DX2/66

No of Processor 1

Bus Architecture ISA

VENDOR: Acer Incorporated

TOTAL DRIVE BAYS: 3

PRODUCT: AcerPower

AVAILABLE DRIVE BAYS 1: 1

NO OF PROCESSORS SUPPORTED: 1

AVAILABLE DRIVE BAYS 2: 1.44M

PROCESSOR: I486DX2/66

STANDARD HARD DISK OPTIONS (BYTES): 170M; 240M

DATE REVISED: 9th May, 1994

TAPE OPTIONS: None identified

OVER DRIVE SOCKET: Yes

OTHER STORAGE OPTIONS (BYTES): None identified

CO PROCESSOR: Integral

LOCAL BUS TYPE: Proprietary

STANDARD RAM (BYTES): 4M

LOCAL BUS SLOTS: None

MAXIMUM RAM (BYTES): 36M

VRAM STANDARD/OPTIONAL (BYTES): 512K/2M

PRIMARY CACHE (BYTES): Integral 8K

MAXIMUM RESOLUTION (PIXELS): 1280 x 1024

SECONDARY CACHE :STD/OPTIONAL (BYTES): None/256K

SIMULTANEOUS COLORS AT MAX RESOLUTION: 256

BUS ARCHITECTURE: ISA

MPC COMPLIANT: No

TOTAL EXPANSION SLOTS: 4

STANDARD SERIAL PORTS: 2

AVAILABLE EXPANSION SLOTS: 4

STANDARD PARALLEL PORTS: 1

HARD DISK INTERFACE: IDE

NETWORK OPERATING SYSTEMS SUPPORTED: LAN Manager; Novell NetWare

PCMCIA SLOTS: None

OPERATING SYSTEM INCLUDED: MS-DOS and Windows

OTHER I/O INTERFACE: Mouse

OTHER OPERATING SYSTEM SUPPORTED: None identified

รายการอุปกรณ์ PC MID-RANGE ที่ตรงกับข้อกำหนดที่ระบุ

page 4

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

Processor : I486DX2/66

No of Processor 1

Bus Architecture ISA

DIMENSIONS (H-W-D INCHES): 5 x 14.5 x 16.5

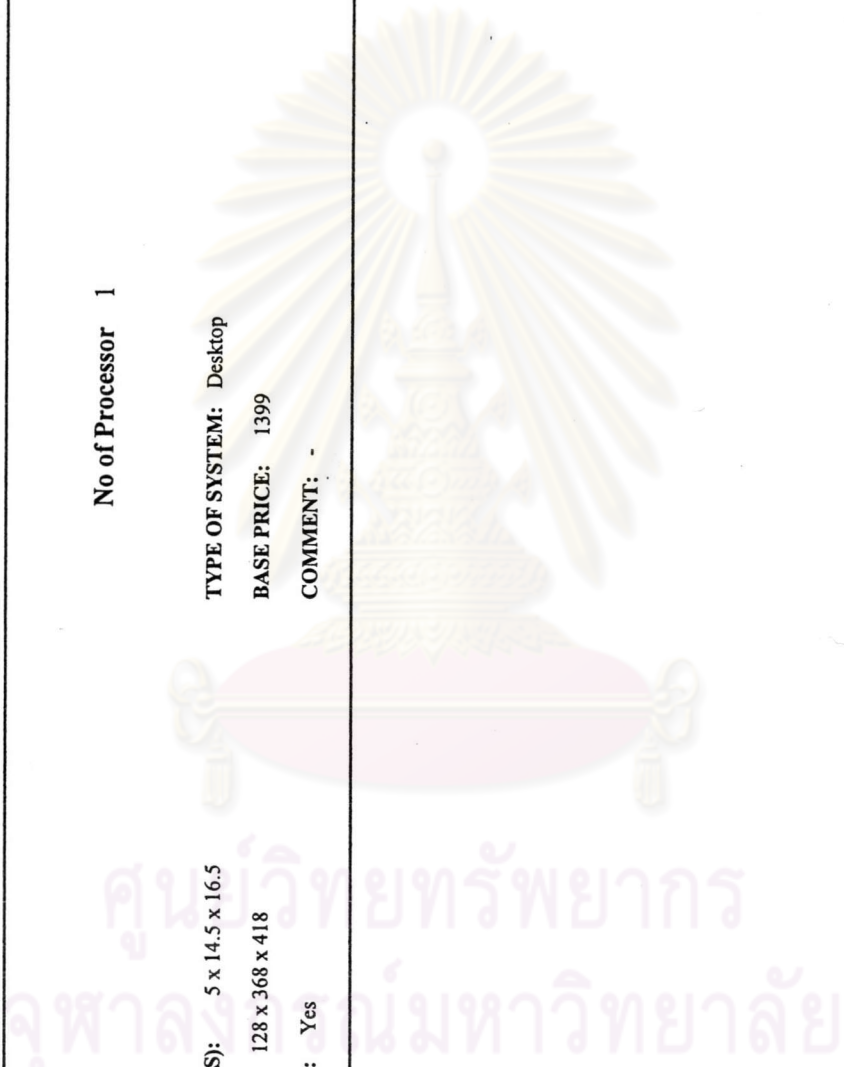
TYPE OF SYSTEM: Desktop

DIMENSIONS (H-W-D MM): 128 x 368 x 418

BASE PRICE: 1399

ENERGY STAR COMPLIANT: Yes

COMMENT: -



# รายการอุปกรณ์ PC LOW-END ที่ตรงกับข้อกำหนดที่ระบุ

page

1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

Processor Cx486DX/40

No. of Processor 1

VENDOR: Acer Incorporated

PRODUCT: AcerAcross 486DX/40

DATE REVISED: 9th May, 1994

PROCESSOR: Cx486DX/40

NO OF PROCESSOR SUPPORT: 1

VRAM STANDARD/OPTIONAL (BYTES): 512K/2M

OVERDRIVE SOCKET: Yes

CO-PROCESSOR: Integral

STANDARD RAM (BYTES): 4M

MAXIMUM RAM (BYTES): 16M

PRIMARY CACHE (BYTES): Integral 8K

SECONDARY CACHE:STD/OPTIONAL (BYTES): None/256K

OTHER OPERATING SYSTEMS SUPPORTS: None identified

BUS ARCHITECTURE: ISA

TOTAL EXPANSION SLOTS: 4

Bus Architecture ISA

TAPE OPTIONS: None identified

OTHER STORAGE OPTIONS: None identified

LOCAL BUS TYPE: Proprietary

LOCAL BUS SLOTS: None

MAXIMUM RESOLUTION (PIXELS): 1280 x 1024

SIMULTANEOUS COLORS AT MAX RESOLUTION: 256

MPC COMPLIANT: No

NETWORK OPERATING SYSTEMS SUPPORTS: LAN Manager; Novell NetWare

OPERATING SYSTEM INCLUDED: MS-DOS and Windows

TYPE OF SYSTEM: Desktop

DIMENSIONS (H-W-D INCHES): 5 x 14.5 x 16.5

DIMENSIONS (H-W-D MM): 128 x 368 x 418

ENERGY STAR COMPLIANT: Yes

BASE PRICE: None identified

TOTAL DRIVE BAYS: 3

# รายการอุปกรณ์ PC LOW-END ที่ตรงกับข้อกำหนดที่ระบุ

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

Processor Cx486DX/40

No. of Processor 1

AVAILABLE EXPANSION SLOTS: 4

STANDARD SERIAL PORTS: 2

STANDARD PARALLEL PORTS: 1

AVAILABLE DRIVE BAYS 1: 1

STANDARD HARD DISK OPTIONS (BYTES): 170M

Bus Architecture ISA

OTHER I/O INTERFACE: Mouse

PCMCIA SLOTS: None

HARDDISK INTERFACE: IDE

AVAILABLE DRIVE BAYS 2: 1.44M

COMMENTS: -



# รายการอุปกรณ์ PC LOW-END ที่ตรงกับข้อกำหนดที่ระบุ

date: 11-Oct-94

ชื่อกำหนดของอุปกรณ์ที่ระบุ

Processor Cx486DX/40

No. of Processor 1

## Bus Architecture ISA

VENDOR: Acer Incorporated

PRODUCT: AcerPower

DATE REVISED: 9th May, 1994

PROCESSOR: Cx486DX/40

NO OF PROCESSOR SUPPORT: 1

VRAM STANDARD/OPTIONAL (BYTES): 512K/2M

OVERDRIVE SOCKET: Yes

CO-PROCESSOR: Integral

STANDARD RAM (BYTES): 4M

MAXIMUM RAM (BYTES): 36M

PRIMARY CACHE (BYTES): Integral 8K

SECONDARY CACHE:STD/OPTIONAL (BYTES): None/256K

OTHER OPERATING SYSTEMS SUPPORTS: None identified

BUS ARCHITECTURE: ISA

TOTAL EXPANSION SLOTS: 4

TAPE OPTIONS: None identified

OTHER STORAGE OPTIONS: None identified

LOCAL BUS TYPE: Proprietary

LOCAL BUS SLOTS: None

MAXIMUM RESOLUTION (PIXELS): 1280 x 1024

SIMULTANEOUS COLORS AT MAX RESOLUTION: 256

MPC COMPLIANT: No

NETWORK OPERATING SYSTEMS SUPPORTS: LAN Manager, Novell NetWare

OPERATING SYSTEM INCLUDED: MS-DOS and Windows

TYPE OF SYSTEM: Desktop

DIMENSIONS (H-W-D INCHES): 5 x 14.5 x 16.5

DIMENSIONS (H-W-D MM): 128 x 368 x 418

ENERGY STAR COMPLIANT: Yes

BASE PRICE: None identified

TOTAL DRIVE BAYS: 3

# รายการอุปกรณ์ PC LOW-END ที่ตรงกับข้อกำหนดที่ระบุ

page

4

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

Processor Cx486DX/40

No. of Processor 1

AVAILABLE EXPANSION SLOTS: 4

STANDARD SERIAL PORTS: 2

STANDARD PARALLEL PORTS: 1

AVAILABLE DRIVE BAYS 1: 1

STANDARD HARD DISK OPTIONS (BYTES): 170M; 240M

Bus Architecture ISA

OTHER I/O INTERFACE: Mouse

PCMCIA SLOTS: None

HARDDISK INTERFACE: IDE

AVAILABLE DRIVE BAYS 2: 1.44M

COMMENTS: -

รายการอุปกรณ์ DOCUMENT IMAGE SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

VIEW FEATHER Pan; reverse; rotate; scale; scro **IMAGE RETRIVAL** Color monitor; digit. microfilm

STORAGE MEDIA SUPPORTED 5.25" & 12" WORM optical disk; rewritable optical disk

รายการอุปกรณ์ DOCUMENT IMAGE SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

**VENDOR:** Lanier Worldwide, Inc.

**PRODUCT:** IMS 2020 4.0

**WORKSTATION OPERATING SYSTEM:** MS-DOS; OS/2

**VIEW FEATURE:** Pan; reverse; rotate; scale; scroll; zoom

**SERVER (HOST) MODEL:** IBM PC compatible; IBM PS/2

**IMAGE RETRIEVAL VIA:** Color monitor; digit. microfilm readers; laser printer

**SERVER (HOST) OPERATING SYSTEM:** MS-DOS

**STORAGE MEDIA SUPPORTED:** 5.25" & 12" WORM optical disk; rewritabl

**GRAPHICAL USER INTERFACE SUPPORT:** Windows

**COMPRESSION / DECOMPRESSION STANDARDS:** TSS G3; TSS G4

**LOCAL AREA NETWORK SUPPORT:** NETBIOS

**IMPORT / EXPORT DOCUMENT FORMATS:** PCX; TIFF; TSS G3; TSS

**APPLICATION DEVELOPMENT TOOLS:** Function hooks; workflow libraries

**OCR SOFTWARE SUPPORTED:** Yes

**INTERFACES TO EXISTING DATABASES:** None

**QUALITY CONTROL ON SCANNER INPUT:** Rejecting doc. batches; rej

**PRICE (BASE SYSTEM):** 25000

**IMAGE INDEX DATABASE:** Gupta SQL Base; Oracle; SQL databases availabl

**PROPRIETARY HARDWARE REQUIRED:** None

**WORKFLOW CAPABILITIES PROVIDED:** None identified

**WORKSTATION (STANDALONE) MODEL:** IBM PC compatible; IBM PS/2

**WORKFLOW PROCESSING FEATURES:** Programmable routing

**CONFIGURATION ARCHITECTURE:** Multiserver/client workstations

รายการอุปกรณ์ FAULT-TOLERANT SYSTEM ที่ตรงกับข้อกำหนดที่ระบุ

page

1

date: 11-Oct-94

---

ข้อกำหนดของอุปกรณ์ที่ระบุ      PRODUCT    HP 9000 1210

ARCHITECTURE    System duplication

---

VENDOR:    Hewlett-Packard Co.

ADDRESS:    19091 Pruneridge Avenue,Cupertino, CA 95014

TELEPHONE:    (800) 752-0900

PRODUCT:    HP 9000 1210

ARCHITECTURE:    System duplication

TECHNOLOGY:    Fault recovery (ECL, Isolation, Redundancy)

PROCESSOR MODEL/TYPE:    Motorola 68040

---



รายการอุปกรณ์ LAN/ NETWORK INTERFACE CARD ที่ตรงกับข้อกำหนดที่ระบุ

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

LAN SUPPORTED	Ethernet (10BASE-T); Ethernet (thick/thin)	MEDIA SUPPORTED	STP; UTP; thick Ethernet coaxial
OPERATING SUPPORT	3+Open; LAN Manager; LAN Server; NFS		
VENDOR:	3Com (UK) Ltd.	OPERATING SYSTEM SUPPORTED:	3+Open; LAN Manager; LAN S
PRODUCT:	Etherlink 16 TP	PRICE:	360
LANS SUPPORTED:	Ethernet (10BASE-T); Ethernet (thick/thin)	DATE OF FIRST DELIVERY:	1990
MICROCOMPUTER BUS SUPPORTED:	ISA (AT)	STANDARD WARRANTY:	Lifetime (limited to original end user)
BUS SIZE (BIT):	16	SERVICE SUPPLIED BY:	Dealer; vendor
RAM BUFFER (BYTES):	64K	COMMENT:	
MAXIMUM DATA RATE (BPS):	10M	MEDIA SUPPORTED:	STP; UTP; thick Ethernet coaxial

รายการอุปกรณ์ LAN/ NETWORK INTERFACE CARD ที่ตรงกับข้อกำหนดที่ระบุ

page

1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

LAN SUPPORTED Ethernet (10BASE-T); Ethernet (thick/thin) MEDIA SUPPORTED STP; thick Ethernet coaxial

OPERATING SUPPORT 3+Open; LAN Manager, LAN Server, NFS

VENDOR: 3Com (U.K.) Ltd.

PRODUCT: EtherLink II/16 TP

LAN SUPPORTED: Ethernet (10BASE-T); Ethernet (thick/thin)

MICROCOMPUTER BUS SUPPORTED: ISA (AT)

BUS SIZE (BIT): 16

RAM BUFFER (BYTES): 16K

MAXIMUM DATA RATE (BPS): 10M

OPERATING SYSTEM SUPPORTED: 3+Open; LAN Manager; LAN S

PRICE: 225

DATE OF FIRST DELIVERY: 1988

STANDARD WARRANTY: Lifetime (limited to original end user)

SERVICE SUPPLIED BY: Dealer; vendor

COMMENT:

MEDIA SUPPORTED: STP; thick Ethernet coaxial

รายงานอุปกรณ์ MICROCOMPUTER ENCRYPTION AND ACCESS CONTROL ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

<b>FUNCTION</b>	Encryption	<b>COMPUTER SUPPORTED</b>	IBM PC-comp. EISA systems; IBM PS/2 & comp.; IBM comp. 80286, 80386, 80486	<b>OS SUPPORTED</b>	OS/2 1.1 or higher
<b>VENDOR:</b>	uti-maco GmbH	<b>TYPE OF ENCRYPTION PROVIDED:</b>	Automatic	<b>TYPE OF MATERIAL ENCRYPTION:</b>	Disk partitions; diskettes; entire disk
<b>PRODUCT:</b>	OS/2-Guard easy	<b>ENCRYPTION CHARACTERISTICS:</b>	Auto. decrypt opening files; auto. encryp. closing files; prod. notes when file is encrypted	<b>ENCRYPTION KEY MANAGEMENT:</b>	Assignable password & encryption keys; keys managed auto.; user/admin. must remember key; var. min./max. key length
<b>FUNCTION:</b>	Encryption	<b>NUMBER OF PASSWORD LEVELS:</b>	1	<b>PASSWORD/LOGON CHARACTERISTICS:</b>	Users can change logon at any time; users
<b>CERTIFICATION:</b>	No	<b>OPERATING SYSTEM SUPPORTED:</b>	IBM PC-comp. EISA systems; IBM PS/2 & comp.; IBM comp. 80286, 80386, 80486	<b>APPLIES ACCESS CONTROLS TO:</b>	OS management area; disk partitions; entire disk
<b>COMPUTER SUPPORTED:</b>	IBM PC-comp. EISA systems; IBM PS/2 & comp.; IBM comp. 80286, 80386, 80486	<b>MINIMUM MEMORY (BYTES)</b>	4M	<b>AUDIT REPORTS SUPPORTS:</b>	Not available
<b>OPERATING SYSTEM SUPPORTED:</b>	OS/2 1.1 or higher	<b>RECOMMENDED MEMORY (BYTES):</b>	4M	<b>AUDIT TRAIL -REPORTING CAPABILITIES:</b>	Not available
<b>MINIMUM MEMORY (BYTES)</b>	4M	<b>REQUIRED FREE HARD DISK SPACE (BYTES):</b>	700	<b>ONETIME LICENCE/RETAIL PRICE</b>	230
<b>RECOMMENDED MEMORY (BYTES):</b>	4M	<b>NETWORK SUPPORTED:</b>	Contact vendor	<b>COMMENT:</b>	Security program is used for the confidential storing of data in a "single-user environment." Package functions include user logon and encryption of hard disk and diskettes.
<b>REQUIRED FREE HARD DISK SPACE (BYTES):</b>	700	<b>USER INTERFACE:</b>	Menu driven	<b>ALGORITHM USED:</b>	DES; proprietary

# รายการอุปกรณ์ POWER AIR ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

TYPE OF SYSTEM	Power line conditioner	BROWNOUTS	Yes
POWER RATING (KVA)	420		
VENDOR:	Best Power Technology Company, Inc.		
PRODUCT:	Citadel Power Conditioner LC420		
TYPE OF SYSTEM:	Power line conditioner		
BROWNOUTS:	Yes		
NOISE:	Yes		
SAGS:	Yes		
SPIKES:	Yes		
SURGES:	Yes		
POWER RATING (KVA):	420		
INPUT VOLTAGE RANGE:	96-132		
FREQUENCY:	60 Hz		
OUTPUT VOLTAGE RANGE:	120		
OUTPUT FREQUENCY:	60 Hz		
LINE REGULATION (PLUS OR MINUS):	0.05		
INPUT CONNECTION:	5-15R		
OUTPUT RECEPTACLES:	4 NEMA 5-15R		
DIMENSIONS (H-W-D INCHES):	7 x 5 x 11		
WEIGHT (LB):	22		
OPERATING TEMPERATURE RANGE (C):	0 to 45, 32 to 113F		
STORAGE TEMPERATURE (C):	60		
HUMIDITY (% NONCONDENSING):	95		
PRICE:	279		
SERVICED BY:	Factory		
DATE AVAILABLE:	33604		
COMMENT:	Features complete galvanic isolation, 120-dB common mode noise filtering, 60-dB normal mode noise filtering, 250-to-1 spike attenuation, harmonics filtering, attractive case.		



# รายการอุปกรณ์ POWER AIR ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

TYPE OF SYSTEM	Power line conditioner	BROWNOUTS	Yes
POWER RATING (KVA)	0.6; 1.25		
VENDOR:	American Power Conversion Corp.		
PRODUCT:	Line R Power Conditioners 600/R1250		
TYPE OF SYSTEM:	Power line conditioner		
BROWNOUTS:	Yes		
NOISE:	Yes		
SAGS:	Yes		
SPIKES:	Yes		
SURGES:	Yes		
POWER RATING (KVA):	0.6; 1.25		
INPUT VOLTAGE RANGE:	88 to 150; C84.1		
FREQUENCY:	50 Hz; 60 Hz		
OUTPUT VOLTAGE RANGE:	106-127		
OUTPUT FREQUENCY:	50 Hz; 60 Hz		
LINE REGULATION (PLUS OR MINUS):	+5.4% over input of 92-145		
INPUT CONNECTION:	NEMA 5-15P 3 pronged plug		
OUTPUT RECEPTACLES:	4 Nema 5-15R		
DIMENSIONS (H-W-D INCHES):	5.0 x 6.75 x 8.37		
WEIGHT (LB):	11 -15.5		
OPERATING TEMPERATURE RANGE (C):	0 to 40 C		
STORAGE TEMPERATURE (C):	65		
HUMIDITY (% NONCONDENSING):	0 to 95		
PRICE:	179		
SERVICED BY:	Vendor		
DATE AVAILABLE:	34121		
COMMENT:			

# รายการอุปกรณ์ VIRUS PROTECTION ที่ตรงกับข้อกำหนดที่ระบุ

page

1

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

**Computer system suppo** IBM PC XT/AT and compatibles; IBM PC-compatible 286; IBM PC-compatible 386; IBM PC-compatible 486; IBM PC-compatible 8086/8088; IBM PC-compatible EISA systems; IBM PC-compatible MCA systems; IBM PS/2

**Operating system** MS-/PC-DOS 3.1; MS-/PC-DOS 3.3; MS-/PC-DOS 4.x; MS-/PC-DOS 5.x

**Operation** RAM resident; creates audit trail for changes; detects/intercepts unwanted disk formats; limits virus activity via access control; runs from batch file; screens code at user-specified intervals; user can set multilevel security

<b>VENDOR:</b>	ASP	<b>COPY PROTECTED:</b>	No
<b>PRODUCT:</b>	Integrity Toolkit 3.7	<b>NETWORK SUPPORTED:</b>	3COM 3+; Banyan Vines; IBM PC-NET; Novell NetWare
<b>REQUIRED FREE HARD DISK SPACE (BYTES):</b>	1M	<b>ON-LINE HELP:</b>	Yes
<b>VIRUS PROTECTION PRODUCTS.COMPUTER SYSTEMS SUPPORTED:</b>		<b>SCANS FOR VIRUSES:</b>	Yes
IBM PC XT/AT and compatibles; IBM PC-compatible 286; IBM PC-compatible 386; I		<b>DESTROYS VIRUSES WHEN FOUND:</b>	Yes
<b>VIRUS PROTECTION PRODUCTS.OPERATING SYSTEMS:</b>		<b>REPAIRS INFECTED FILES:</b>	Yes
MS-/PC-DOS 3.1; MS-/PC-DOS 3.3; MS-/PC-DOS 4.x; MS-/PC-DOS 5.x		<b>PROGRAM CHECK FOR:</b>	Alterations to all executable files; alterations to boot sector and/or
<b>RAM USED BY LOADED PROGRAM (BYTES):</b>	3K	<b>DISTRIBUTION CHANNELS:</b>	Direct; mail order
<b>MINIMUM MEMORY (BYTES):</b>	512K	<b>LENGTH OF WARRANTY:</b>	30 days
<b>SCANNING TOOL FOR NEW/UNKNOWN VIRUSES:</b>	Yes	<b>COST OF UPGRADES:</b>	Subscription service available
<b>VIRUS PROTECTION PRODUCTS.OPERATION:</b>	RAM resident; creates audit	<b>ON GSA SCHEDULE:</b>	Yes
<b>ONETIME LICENSE/PURCHASE PRICE:</b>	Contact vendor	<b>FIRST RELEASED:</b>	1986

## รายการอุปกรณ์ VIRUS PROTECTION ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date: 11-Oct-94

### ข้อกำหนดของอุปกรณ์ที่ระบุ

Computer system suppo IBM PC XT/AT and compatibles; IBM PC-compatible 286; IBM PC-compatible 386; IBM PC-compatible 486; IBM PC-compatible 8086/8088; IBM PC-compatible EISA systems; IBM PC-compatible MCA systems; IBM PS/2

Operating system MS-/PC-DOS 3.1; MS-/PC-DOS 3.3; MS-/PC-DOS 4.x; MS-/PC-DOS 5.x

Operation 'RAM resident; creates audit trail for changes; detects/intercepts unwanted disk formats; limits virus activity via access control; runs from batch file; screens code at user-specified intervals; user can set multilevel security

SITE LICENSE AVAILABLE: Yes

NETWORK LICENSE AVAILABLE: Yes

SUPPORT SERVICES: By contract

UPGRADE POLICY: By contract

# รายการอุปกรณ์ WORK STATION SERVER ที่ตรงกับข้อกำหนดที่ระบุ

page 1

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

MICRO PROCESSOR CLOCK SPEED Motorola 68040/33

NUMBER OF PROCESSOR SUPPORTED 1

BUS ARCHITECTURE NuBus

VENDOR: Apple Computer, Inc.

NETWORKING PROTOCOLS SUPPORTED: NFS; SNA; TCP/IP; X.25; X.400

PRODUCT: Quadra 800 Server

OPERATING SYSTEM: System 7.1 or A/UX 3.0

MICROPROCESSOR CLOCK SPEED (MHZ): Motorola 68040/33

DERIVED FROM: AT&T UNIX System V.2; Berkeley 4.3 BSD

NUMBER OF PROCESSOR SUPPORT: 1

LANGUAGES SUPPORTED: C; Fortran

PROCESSOR ARRANGEMENT: Does not apply

DATABASE SUPPORTED: None identified

CO-PROCESSOR INCLUDED: Integrated with CPU

HIGHT X WIDTH X DEPTH (INCHES): 14.25/8.9/16.0

RAM MIN/MAX BYTES: 8M/136M

WEIGHT (LB): 25.3

CACHE DATA / INSTRUCTION (BYTES): -/8K

SUGGESTED RETAIL PRICE: 4679

BUS ARCHITECTURE: NuBus

ENTRY-LEVEL PACKAGE CONFIGURATION: 33MHz 68040, 8M memory, 230M hard drive, 1.4M Apple SuperDrive, mouse, system software

NUMBER OF EXPANSION SLOTS: See comments

COMMENTS: Expansion slots available: 3 NuBus, 1 processor-direct slot.

NUMBER OF STANDARD PARALLEL PORT: 1

COST PER TPS (A) \$: Not available

NUMBER OF STANDARD SERIAL PORT: 2

DATA BASE USED (A): Not available

PERIPHERAL INTERFACES: RS-232-C; RS-422; SCSI

OPERATING SYSTEM REVISION (A): Not available

STANDARD HARD DISK STORAGE (BYTES): 230M

TPC-B TRANSACTION PER SEC: Not available

MAXIMUM HARD DISK STORAGE (BYTES): None identified

COST PER TPS (B) \$: Not available

DISK DRIVE CAPACITIES (BYTES): 1G; 230M

DATA BASE USED (B): Not available



รายการอุปกรณ์ WORK STATION SERVER ที่ตรงกับข้อกำหนดที่ระบุ

page 2

date : 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

MICRO PROCESSOR CLOCK SPEED Motorola 68040/33

NUMBER OF PROCESSOR SUPPORTED 1

BUS ARCHITECTURE NuBus

TAPE DRIVE TYPE SUPPORTED-1: None identified

OPERATING SYSTEM REVISION (B): Not available

TAPE DRIVE TYPE SUPPORTED-2: None identified

BUILT-IN NETWORK INTERFACE: 802.3 Ethernet; AppleTalk

SPEC MARKS PER PROCESSOR: None identified

TPC-A TRANSACTION PER SEC: Not available

SPEC FP92: None identified

MFLOPS RATING: 4.6

SPEC INT92: None identified

MIPS: 29

# รายการอุปกรณ์ WORK STATION SERVER ที่ตรงกับข้อกำหนดที่ระบุ

page 3

date: 11-Oct-94

## ข้อกำหนดของอุปกรณ์ที่ระบุ

MICRO PROCESSOR CLOCK SPEED	Motorola 68040/33	NUMBER OF PROCESSOR SUPPORTED	1
BUS ARCHITECTURE	NuBus	NETWORKING PROTOCOLS SUPPORTED:	NFS; SNA; TCP/IP; X.25; X.400
VENDOR:	Apple Computer, Inc.	OPERATING SYSTEM:	System 7.1 or A/UX 3.0
PRODUCT:	Quadra 950 Server	DERIVED FROM:	AT&T UNIX System V.2; Berkeley 4.3 BSD
MICROPROCESSOR CLOCK SPEED (MHZ):	Motorola 68040/33	LANGUAGES SUPPORTED:	C; Fortran
NUMBER OF PROCESSOR SUPPORT:	1	DATABASE SUPPORTED:	None identified
PROCESSOR ARRANGEMENT:	Does not apply	HIGHT X WIDTH X DEPTH (INCHES):	18.6/8.9/20.6
CO-PROCESSOR INCLUDED:	Integrated with CPU	WEIGHT (LB):	36
RAM MIN/MAX BYTES:	8M/256M	SUGGESTED RETAIL PRICE:	6099
CACHE DATA / INSTRUCTION (BYTES):	-/8K	ENTRY-LEVEL PACKAGE CONFIGURATION:	33MHz 68040, 8M memory, 230M hard drive, 1.4M Apple SuperDrive, mouse, system software
BUS ARCHITECTURE:	NuBus	COMMENTS:	Expansion slots available: 5 NuBus, 1 processor-direct slot.
NUMBER OF EXPANSION SLOTS:	See comments	COST PER TPS (A) \$:	Not available
NUMBER OF STANDARD PARALLEL PORT:	1	DATA BASE USED (A):	Not available
NUMBER OF STANDARD SERIAL PORT:	2	OPERATING SYSTEM REVISION (A):	Not available
PERIPHERAL INTERFACES:	RS-232-C; RS-422; SCSI	TPC-B TRANSACTION PER SEC:	Not available
STANDARD HARD DISK STORAGE (BYTES):	230M	COST PER TPS (B) \$:	Not available
MAXIMUM HARD DISK STORAGE (BYTES):	None identified	DATA BASE USED (B):	Not available
DISK DRIVE CAPACITIES (BYTES):	230M; 400M; 500M		

รายการอุปกรณ์ WORK STATION SERVER ที่ตรงกับข้อกำหนดที่ระบุ

4

page

date: 11-Oct-94

ข้อกำหนดของอุปกรณ์ที่ระบุ

MICRO PROCESSOR CLOCK SPEED Motorola 68040/33

NUMBER OF PROCESSOR SUPPORTED 1

BUS ARCHITECTURE NuBus

TAPE DRIVE TYPE SUPPORTED-1: None identified

OPERATING SYSTEM REVISION (B): Not available

TAPE DRIVE TYPE SUPPORTED-2: None identified

BUILT-IN NETWORK INTERFACE: 802.3 Ethernet; AppleTalk

SPEC MARKS PER PROCESSOR: None identified


TPC-A TRANSACTION PER SEC: Not available

SPEC FP92: None identified

MFLOPS RATING: 4.6

SPEC INT92: None identified

MIPS: 29



ภาคผนวก ฉ

ตัวอย่าง แมคโคร (MACRO)

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: macadd

Sunday, October 09, 1994

Page: 1

**Properties**

Date Created: 30/5/95 10:09:36 AM  
Owner: admin

Last Updated: 24/11/93 7:31:21 PM

**Actions**

Name	Condition	Action	Argument	Value
<b>mac add data encryption</b>				
		Close	Object Type: Object Name:	Form Q DATA ENCRYPTION DEVICE
		OpenQuery	Query Name: View: Data Mode:	ADD DATA ENCRYPTION Datasheet Edit
<b>mac add desktop system</b>				
		Close	Object Type: Object Name:	Form Q DESKTOP SYSTEM
		OpenQuery	Query Name: View: Data Mode:	ADD DESKTOP SYSTEM Datasheet Edit
<b>mac add diaster recovery sites</b>				
		Close	Object Type: Object Name:	Form Q DIASTER RECOVERY SITES
		OpenQuery	Query Name: View: Data Mode:	ADD DIASTER RECOVER SITES Datasheet Edit
<b>mac add directory of system integrators</b>				
		Close	Object Type: Object Name:	Form Q DIRECTORY OF SYSTEM INTEGRATORS
		OpenQuery	Query Name: View: Data Mode:	ADD DIRECTORY OF SYSTEM INTEGRATOR Datasheet Edit
<b>mac add document imaging system</b>				
		Close	Object Type: Object Name:	Form Q DOCUMENT IMAGING SYSTE

OpenQuery	Query Name:	ADD DOCUMENT IMAGE SYSTEM
	View:	Datasheet
	Data Mode:	Edit

**mac add enterprise nms**

Close	Object Type:	Form
	Object Name:	Q ENTERPRISE NMS

OpenQuery	Query Name:	ADD ENTERPRISE NMS
	View:	Datasheet
	Data Mode:	Edit

**mac add fault-tolerant system**

Close	Object Type:	Form
	Object Name:	Q FAULT-TOLERANT SYSTEM

OpenQuery	Query Name:	ADD FAULT-TOLERANT SYSTE
	View:	Datasheet
	Data Mode:	Edit

**mac add lan/hub concentrator/mua**

Close	Object Type:	Form
	Object Name:	Q LAN HUB/CONCENTRATOR/MAU

OpenQuery	Query Name:	ADD LAN HUB/CONCENTRATOR/MUA
	View:	Datasheet
	Data Mode:	Edit

**mac add lan network interface card**

Close	Object Type:	Form
	Object Name:	Q LAN NETWORK INTERFACE CARD

OpenQuery	Query Name:	ADD LAN NETWORK INTERFACE CARD
	View:	Datasheet
	Data Mode:	Edit

**mac add lan network operating system**

Close	Object Type:	Form
	Object Name:	Q LAN NETWORK OPERATING SYSTEM

OpenQuery	Query Name:	ADD LAN NETWORK OPERATING SYSTEM
	View:	Datasheet

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: macadd

Sunday, October 09, 1994  
Page: 3

	Data Mode:	Edit
<b>mac add microcomputer encryption</b>		
Close	Object Type:	Form
	Object Name:	Q MICRO COMPUTER ENCRYPTION ACCESS
OpenQuery	Query Name:	ADD MICRO COMPUTER ENCRYPTION ACCESS
	View:	Datasheet
	Data Mode:	Edit
<b>mac add pc high-end</b>		
Close	Object Type:	Form
	Object Name:	Q PC HIGH-END
OpenQuery	Query Name:	ADD PC HIGH-END
	View:	Datasheet
	Data Mode:	Edit
<b>mac add pc low-end</b>		
Close	Object Type:	Form
	Object Name:	Q PC LOW-END
OpenQuery	Query Name:	ADD PC LOW-END
	View:	Datasheet
	Data Mode:	Edit
<b>mac add pc mid-range</b>		
Close	Object Type:	Form
	Object Name:	Q PC MID-RANGE
OpenQuery	Query Name:	ADD PC MID-RANGE
	View:	Datasheet
	Data Mode:	Edit
<b>mac diaster recovery sites</b>		
Close	Object Type:	Form
	Object Name:	Q PORTABLE SYSTEM
OpenQuery	Query Name:	ADD DIASTER RECOVER SITES
	View:	Datasheet
	Data Mode:	Edit
<b>mac add portable system</b>		
Close	Object Type:	Form
	Object Name:	Q DIRECTORY OF SYSTEM INTEGRATORS

OpenQuery	Query Name: View: Data Mode:	ADD PORTABLE SYSTEM Datasheet Edit
-----------	------------------------------------	--

**mac add powerair**

Close	Object Type: Object Name:	Form Q POWERAIR
-------	------------------------------	--------------------

OpenQuery	Query Name: View: Data Mode:	ADD POWERAIR Datasheet Edit
-----------	------------------------------------	-----------------------------------

**mac add ups**

Close	Object Type: Object Name:	Form Q UPS
-------	------------------------------	---------------

OpenQuery	Query Name: View: Data Mode:	ADD UPS Datasheet Edit
-----------	------------------------------------	------------------------------

**mac add virus protection**

Close	Object Type: Object Name:	Form Q VIRUS PROTECTION
-------	------------------------------	----------------------------

OpenQuery	Query Name: View: Data Mode:	ADD VIRUS PROTECTION Datasheet Edit
-----------	------------------------------------	---

**mac add voice security device**

Close	Object Type: Object Name:	Form Q VOICE SECURITY DEVICES
-------	------------------------------	----------------------------------

OpenQuery	Query Name: View: Data Mode:	ADD VOICE SECURITY DEVICES Datasheet Edit
-----------	------------------------------------	---

**mac add workstation server**

Close	Object Type: Object Name:	Form Q WORKSTATION SERVER
-------	------------------------------	------------------------------

OpenQuery	Query Name: View: Data Mode:	ADD WORKSTATION SERVER Datasheet Edit
-----------	------------------------------------	---



C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: MACOPS

Sunday, October 09, 1994  
Page: 1

**Properties**

Date Created: 30/5/95 9:46:59 AM  
Owner: admin

Last Updated: 24/11/93 5:12:29 PM

**Actions**

Name	Condition	Action	Argument	Value
<b>OPSDATA ENCRYPTION</b>				
		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	SUB DATA ENCRYPTION Form   Edit Normal
		Maximize		
<b>OPSDSKTOP SYSTEM</b>				
		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	SUB DESKTOP SYSTEM Form   Edit Normal
		Maximize		
<b>OPSDIASTER RECOVERY SITES</b>				
		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	SUB DIASTER RECOVERY SITE Form   Edit Normal
		Maximize		
<b>OPSDIRECTORY OF SYSTEM INTEGRATOR</b>				
		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	SUB DIRECTORY OF SYSTEM INTEGRATORS Form   Edit Normal

---

Maximize

---

**OPSDOCUMENT IMAGE SYSTEM**

OpenForm	Form Name:	SUB DOCUMENT IMAGE SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSENTERPRISE NMS**

OpenForm	Form Name:	SUB ENTERPRISE NMS
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSFault-TOLERANT SYSTEM**

OpenForm	Form Name:	SUB FAULT-TOLERANT SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSLAN HUB/CONCENTRATOR/MUA**

OpenForm	Form Name:	SUB LAN HUB/CONCENTRATOR/MUA
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSNETWORK INTERFACE CARD**

OpenForm	Form Name:	SUB LAN NETWORK INTERFACE CARD
	View:	Form

---

Filter Name:	
Where Condition:	
Data Mode:	Edit
Window Mode:	Normal

---

Maximize

---

### OPSNETWORK OPERATING SYSTEM

OpenForm	Form Name:	SUB LAN NETWORK OPERATING SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

### OPSMICROCOMPUTER ENCRYPTION

OpenForm	Form Name:	SUB MICRO COMPUTER ENCRYPTION ACCESS
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

### OPSPC HIGH-END

OpenForm	Form Name:	SUB PC HIGH-END
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

### OPSPC LOW-END

OpenForm	Form Name:	SUB PC LOW-END
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

**OPSPC MID-RANGE**

OpenForm	Form Name:	SUB PC MID-RANGE
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSPORTABLE SYSTEM**

OpenForm	Form Name:	SUB PORTABLE SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSPOWERAIR**

OpenForm	Form Name:	SUB POWERAIR
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSUPS**

OpenForm	Form Name:	SUB UPS
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPSVIRUS PROTECTION**

OpenForm	Form Name:	SUB VIRUS PROTECTION
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal



---

Maximize

---

**OPVOICE SECURITY DEVICE**

OpenForm	Form Name:	SUB VOICE SECURITY DEVICES
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPWORKSTATION SERVER**

OpenForm	Form Name:	SUB WORKSTATION SERVER
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

**Properties**

Date Created: 26/11/93 5:07:38 PM  
 Owner: admin

Last Updated: 26/11/93 5:08:05 PM

**Actions**

Name	Condition	Action	Argument	Value
		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	INPUTSPECTYPE Form  Edit Normal
		Maximize		

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: Macro1

Sunday, October 09, 1994  
Page: 1

Properties

Date Created: 10/1/93 8:34:55 AM  
Owner: admin

Last Updated: 30/11/93 6:07:19 PM

Actions

Name	Condition	Action	Argument	Value
OPMAINDIC		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	MAIN DICTIONARY Form   Edit Normal
		Maximize		
OPMAINSUPP		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	MAIN SYSTEM SUPPORT Form   Edit Normal
		Maximize		
OPMAINPRG		Maximize		
OPMAINCOM		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	MAIN DICTIONARY Form   Edit Normal
		Maximize		
OPMAINCOMMU		OpenForm	Form Name: View: Filter Name: Where Condition:	MAIN COMMUNICATION SERVICE Form

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: Macro1

Sunday, October 09, 1994  
Page: 2

Data Mode: Edit  
Window Mode: Normal

Maximize

OPMAINCOMEQU

OpenForm Form Name: MAIN MAINTENANCE  
COMPUTER EQUIPMENT  
View: Form  
Filter Name:  
Where Condition:  
Data Mode: Edit  
Window Mode: Normal

Maximize

OPMAINVENDOR

OpenForm Form Name: MAIN VENDOR DESCRIPTION  
View: Form  
Filter Name:  
Where Condition:  
Data Mode: Edit  
Window Mode: Normal

Maximize

OPMAINKNOW

OpenForm Form Name: MAIN COMPUTER KNOW  
View: Form  
Filter Name:  
Where Condition:  
Data Mode: Edit  
Window Mode: Normal

Maximize

QUITFORM

Close Object Type: Form  
Object Name: MAINFORM

OPCOMDIC

OpenForm Form Name: COMPUTER DICTIONARY  
View: Form  
Filter Name:  
Where Condition:  
Data Mode: Edit  
Window Mode: Normal



---

 Maximize
 

---

## OPCOMDICENG

OpenForm	Form Name:	COMPUTER DICTIONARY OF ENGINEER
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---



---

 Maximize
 

---

## OPCOMDICCOMM

OpenForm	Form Name:	COMPUTER DICTIONARY OF COMMUNICATION
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---



---

 Maximize
 

---

## QUITMAINDIC

Close	Object Type:	Form
	Object Name:	MAIN DICTIONARY

---

## RUNFAQ

RunApp	Command Line:	C:\TELIX\INTERNET\PC_FAQ_2.LP
--------	---------------	-------------------------------

---

## QUITENCRIP

Close	Object Type:	Form
	Object Name:	DATA ENCRYPTION DEVICE

---

## QUITDESKHIEND

Close	Object Type:	Form
	Object Name:	DESKTOP PERSONAL COMPUTER HIGH-END

---

## QUITDESKLOWEND

Close	Object Type:	Form
	Object Name:	DESKTOP PERSONAL COMPUTER LOW-END

---

C:\THESIS\ACCESS\COMSPEC.MDB

Sunday, October 09, 1994

Macro: Macro1

Page: 4

**QUITDESKMIDRANG**

Close

Object Type:

Object Name:

**QUITDESKTOP**

Close

Object Type:

Object Name:

Form

DESKTOP SYSTEM

**QUITDIASTER**

Close

Object Type:

Object Name:

Form

DISASTER RECOVERY SITES

**QUITDIRECT**

Close

Object Type:

Object Name:

Form

DIRECTORY OF SYSTEM  
INTEGRATORS**QUITDOCIMG**

Close

Object Type:

Object Name:

Form

DOCUMENT IMAGE SYSTEM

**QUITENTERPRISE**

Close

Object Type:

Object Name:

Form

ENTERPRISE NETWORK  
MANAGEMENT SYSTEM**QUITFAULT**

Close

Object Type:

Object Name:

Form

FAULT-TOLERANT SYSTEM

**QUITHUB**

Close

Object Type:

Object Name:

Form

LAN HUB/CONCENTRATOR/MUA

**QUITNIC**

Close

Object Type:

Object Name:

Form

LAN NETWORK INTERFACE  
CARD**QUITNOS**

Close

Object Type:

Object Name:

Form

LAN NETWORK OPERATING  
SYSTEM**QUITPCENCRYP**

Close

Object Type:

Object Name:

Form

MICRO COMPUTER  
ENCRYPTION AND ACCESS  
CONTROL

**QUITPORTTABLE**

Close	Object Type:	Form
	Object Name:	PORTABLE SYSTEM

**QUITPOWERAIR**

Close	Object Type:	Form
	Object Name:	POWER SYSTEM DISTRIBUTION AND CONDITION

**QUITUPS**

Close	Object Type:	Form
	Object Name:	POWER SYSTEM UPS

**QUITVIRUSPROTECT**

Close	Object Type:	Form
	Object Name:	VIRUS PROTECTION PRODUCT

**QUITVOICESEC**

Close	Object Type:	Form
	Object Name:	VOICE SECURITY DEVICE

**QUITWS**

Close	Object Type:	Form
	Object Name:	WORKSTATION SERVER

**OPMENUMAINEQUIP**

OpenForm	Form Name:	MENU1 COMPUTER EQUIPMEN
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

Maximize

**OPSELECTMENU**

OpenForm	Form Name:	MAIN SELECTION COMPUTER EQUIPMENT
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

Maximize

QREPENCRIP

Close

Object Type:

Form

Object Name:

SEL ENCRPTION DEVICE



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: Macro2

Sunday, October 09, 1994  
Page: 1

**Properties**

Date Created: 10/1/93 12:32:45 PM  
Owner: admin

Last Updated: 27/9/93 5:51:55 PM

**Actions**

Name	Condition	Action	Argument	Value
MAXIMIZE FROM		Maximize		
CLFRCOMDIC		Close	Object Type: Object Name:	Form COMPUTER DICTIONARY
CLFRCOMMUDIC		Close	Object Type: Object Name:	Form COMPUTER DICTIONARY OF COMMUNICATION
CLFRENGDIC		Close	Object Type: Object Name:	Form COMPUTER DICTIONARY OF ENGINEER
CLFRCOMMSER		Close	Object Type: Object Name:	Form MAIN COMMUNICATION SERVICE
CLFRVENDOR		Close	Object Type: Object Name:	Form MAIN VENDOR DESCRIPTION
CLFRCOMEQU		Close	Object Type: Object Name:	Form MAIN MAINTENANCE COMPUTER EQUIPMENT
CLFRCOMKNOW		Close	Object Type: Object Name:	Form MAIN COMPUTER KNOW
CLFRMENU1SELECT		Close	Object Type: Object Name:	Form MENU1 COMPUTER EQUIPMEN

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: Macro2

Sunday, October 09, 1994  
Page: 2

CLFRSELECTCOM

Close

Object Type:  
Object Name:

Form

MAIN SELECTION COMPUTER  
EQUIPMENT

REPCNCRIP

OpenReport

Report Name:  
View:  
Filter Name:  
Where Condition:

REP ENCRPTION DEVICE  
Print Preview

Maximize



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: Macro3

Sunday, October 09, 1994  
Page: 1

**Properties**

Date Created: 16/1/93 9:08:01 AM  
Owner: admin

Last Updated: 22/9/93 6:10:58 PM

**Actions**

Name	Condition	Action	Argument	Value
OPFENCRIP		OpenForm	Form Name:	DATA ENCRYPTION DEVICE
			View:	Form
			Filter Name:	
			Where Condition:	
			Data Mode:	Edit
			Window Mode:	Normal
		Maximize		
OPFDESKHIEND		OpenForm	Form Name:	DESKTOP PERSONAL COMPUTER HIGH-END
			View:	Form
			Filter Name:	
			Where Condition:	
			Data Mode:	Edit
			Window Mode:	Normal
		Maximize		
OPFDESKLOWEND		OpenForm	Form Name:	DESKTOP PERSONAL COMPUTER LOW-END
			View:	Form
			Filter Name:	
			Where Condition:	
			Data Mode:	Edit
			Window Mode:	Normal
		Maximize		
OPFDESKMIDRANG		OpenForm	Form Name:	DESKTOP PERSONAL COMPUTER MID-RANGE
			View:	Form
			Filter Name:	
			Where Condition:	
			Data Mode:	Edit
			Window Mode:	Normal

---

Maximize

---

## OPFDESKTOP

OpenForm	Form Name:	DESKTOP SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

## OPFDIASTER

OpenForm	Form Name:	DIASTER RECOVERY SITES
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

## OPDIRECT

OpenForm	Form Name:	DIRECTORY OF SYSTEM INTEGRATORS
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

## OPDOCIMG

OpenForm	Form Name:	DOCUMENT IMAGE SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

## OPENTERPRISE

OpenForm	Form Name:	ENTERPRISE NETWORK MANAGEMENT SYSTEM
	View:	Form



---

Filter Name:	
Where Condition:	
Data Mode:	Edit
Window Mode:	Normal

---

Maximize

## OPENFAULT

OpenForm	Form Name:	FAULT-TOLERANT SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

## OPENHUB

OpenForm	Form Name:	LAN HUB/CONCENTRATOR/MUA
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

## OPENNIC

OpenForm	Form Name:	LAN NETWORK INTERFACE CARD
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

## OPNOS

OpenForm	Form Name:	LAN NETWORK OPERATING SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

**OPPCACCESS**

OpenForm	Form Name:	MICRO COMPUTER ENCRYPTION AND ACCESS CONTROL
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPPORTABLE**

OpenForm	Form Name:	PORTABLE SYSTEM
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPPOWERAIR**

OpenForm	Form Name:	POWER SYSTEM DISTRIBUTION AND CONDITION
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPUPS**

OpenForm	Form Name:	POWER SYSTEM UPS
	View:	Form
	Filter Name:	
	Where Condition:	
	Data Mode:	Edit
	Window Mode:	Normal

---

Maximize

---

**OPVIRUSPROTECT**

OpenForm	Form Name:	VIRUS PROTECTION PRODUCT
	View:	Form
	Filter Name:	

Where Condition:

Data Mode:

Edit

Window Mode:

Normal

Maximize

## OPVOICESEC

OpenForm

Form Name:

VOICE SECURITY DEVICE

View:

Form

Filter Name:

Where Condition:

Data Mode:

Edit

Window Mode:

Normal

Maximize

## OPWS

OpenForm

Form Name:

WORKSTATION SERVER

View:

Form

Filter Name:

Where Condition:

Data Mode:

Edit

Window Mode:

Normal

Maximize

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: Macro5

Sunday, October 09, 1994  
Page: 1

**Properties**

Date Created: 11/11/92 5:51:13 PM  
Owner: admin

Last Updated: 12/11/92 11:38:32 AM

**Actions**

Name	Condition	Action	Argument	Value
OPREDATAENCRYP		OpenReport	Report Name: View: Filter Name: Where Condition:	qredataencryption Print Preview

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย



C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: MacroX

Sunday, October 09, 1994  
Page: 1

**Properties**

Date Created: 11/11/92 3:20:26 PM  
Owner: admin

Last Updated: 23/8/94 5:57:15 PM

**Actions**

Name	Condition	Action	Argument	Value
OPFDATAENC		OpenReport	Report Name: View: Filter Name: Where Condition:	QREDATAENCRYPTION Print Preview
		Maximize		
CLFDATAENC		Close	Object Type: Object Name:	Form Q DATA ENCRYPTION DEVICE
		Maximize		
OPFVIRUSPROTECT		OpenReport	Report Name: View: Filter Name: Where Condition:	QREVIRUSPROTECTION Print Preview
		Maximize		
CLFVIRUSPROTECT		Close	Object Type: Object Name:	Form Q VIRUS PROTECTION
		Maximize		
OPFPORTABLE		OpenReport	Report Name: View: Filter Name: Where Condition:	QREPORTABLESYSTEM Print Preview
		Maximize		
CLFPORTABLE		Close	Object Type: Object Name:	Form Q PORTABLE SYSTEM
		Maximize		
OPFMICROENCRYACCESS		OpenReport	Report Name:	QREMICROENCRYPACCESS
		Maximize		

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: MacroX

Sunday, October 09, 1994  
Page: 2

View: Print Preview  
Filter Name:  
Where Condition:

Maximize

CLFMICROENCRYACCESS

Close Object Type: Form  
Object Name: Q MICRO COMPUTER  
ENCRYPTION ACCESS

OPFLANNIC

OpenReport Report Name: QRELANNIC  
View: Print Preview  
Filter Name:  
Where Condition:

Maximize

CLFLANNIC

Close Object Type: Form  
Object Name: Q LAN NETWORK INTERFACE  
CARD

OPFLANHUB

OpenReport Report Name: QRELANHUB  
View: Print Preview  
Filter Name:  
Where Condition:

Maximize

CLFLANHUB

Close Object Type: Form  
Object Name: Q LAN  
HUB/CONCENTRATOR/MAU

OPFFAULT

OpenReport Report Name: QREFAULT  
View: Print Preview  
Filter Name:  
Where Condition:

Maximize

CLFFAULT

Close Object Type: Form  
Object Name: Q FAULT-TOLERANT SYSTEM

**OPFENTERPRISE NMS**

OpenReport	Report Name:	QREENTERPRISENMS
	View:	Print Preview
	Filter Name:	
	Where Condition:	

---

Maximize

---

**CLFENTERPRISE NMS**

Close	Object Type:	Form
	Object Name:	Q ENTERPRISE NMS

**OPFDOCIMAGE**

OpenReport	Report Name:	QREDOCIMAGE
	View:	Print Preview
	Filter Name:	
	Where Condition:	

---

Maximize

---

**CLFDOCIMAGE**

Close	Object Type:	Form
	Object Name:	Q DOCUMENT IMAGING SYSTE

**OPFDIRSYSTEM**

OpenReport	Report Name:	QREDIRSYSTEM
	View:	Print Preview
	Filter Name:	
	Where Condition:	

---

Maximize

---

**CLFDIRSYSTEM**

Close	Object Type:	Form
	Object Name:	Q DIRECTORY OF SYSTEM INTEGRATORS

**OPFDIASTERSITE**

OpenReport	Report Name:	QREDIASTER SITES
	View:	Print Preview
	Filter Name:	
	Where Condition:	

---

Maximize

---

**CLFDIASTERSITE**

Close

Object Type:

Form

Object Name:

Q DIASTER RECOVERY SITES

**OPFDESKTOP**

OpenReport

Report Name:

QREDESKTOP

View:

Print Preview

Filter Name:

Where Condition:

Maximize

**CLFDESKTOP**

Close

Object Type:

Form

Object Name:

Q DESKTOP SYSTEM

**OPFWSSERVER**

OpenReport

Report Name:

QREWSSERVER

View:

Print Preview

Filter Name:

Where Condition:

Maximize

**CLFWSSERVER**

Close

Object Type:

Form

Object Name:

Q WORKSTATION SERVER

**OPFVOICESECU**

OpenReport

Report Name:

QREVOICESECU

View:

Print Preview

Filter Name:

Where Condition:

Maximize

**CLFVOICESECU**

Close

Object Type:

Form

Object Name:

Q VOICE SECURITY DEVICES

**OPFPCLOW**

OpenReport

Report Name:

QREPCLOW

View:

Print Preview

Filter Name:

Where Condition:

Maximize



**CLFPCLOW**

Close	Object Type:	Form
	Object Name:	Q PC LOW-END

**OPFPCHIGH**

OpenReport	Report Name:	QREPCHIGH
	View:	Print Preview
	Filter Name:	
	Where Condition:	

Maximize

**CLFPCHIGH**

Close	Object Type:	Form
	Object Name:	Q PC HIGH-END

**OPFPCMID**

OpenReport	Report Name:	QREPCMIDRANGE
	View:	Print Preview
	Filter Name:	
	Where Condition:	

Maximize

**CLFPCMID**

Close	Object Type:	Form
	Object Name:	Q PC MID-RANGE

**OPFLANNOS**

OpenReport	Report Name:	QRELANNOS
	View:	Print Preview
	Filter Name:	
	Where Condition:	

Maximize

**CLFLANNOS**

Close	Object Type:	Form
	Object Name:	Q LAN NETWORK OPERATING SYSTEM

**OPFUPS**

OpenReport	Report Name:	QREUPS
	View:	Print Preview
	Filter Name:	
	Where Condition:	

---

Maximize

---

CLFUPS

Close

Object Type:

Form

Object Name:

Q UPS

OPFPOWERAIR

OpenReport

Report Name:

QREPOWERAIR

View:

Print Preview

Filter Name:

Where Condition:

---

Maximize

---

CLFPOWERAIR

Close

Object Type:

Form

Object Name:

Q POWERAIR

ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

C:\THESIS\ACCESS\COMSPEC.MDB  
 Macro: OPFMAINTENCECOM-SPEC

Sunday, October 09, 1994

Page: 1

**Properties**

Date Created: 26/11/93 6:32:05 PM  
 Owner: admin

Last Updated: 29/11/93 8:42:50 PM

**Actions**

Name	Condition	Action	Argument	Value
		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	MAINTENANCE TABLE SPEC Form  Edit Normal
		Maximize		

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

C:\THESIS\ACCESS\COMSPEC.MDB  
 Macro: PRINT CURRENT REC

Wednesday, October 12, 1994  
 Page: 1

**Properties**

Date Created: 30/7/95 8:03:42 PM  
 Owner: admin

Last Updated: 12/10/94 4:01:55 PM

**Actions**

Name	Condition	Action	Argument	Value
		Print	Print Range: Page From: Page To: Print Quality: Copies: Collate Copies:	Selection  High 1 Yes

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย



C:\THESIS\ACCESS\COMSPEC.MDB  
 Macro: OPMAINHELP

Sunday, October 09, 1994  
 Page: 1

**Properties**

Date Created: 3/12/93 9:50:57 PM  
 Owner: admin

Last Updated: 3/12/93 9:51:27 PM

**Actions**

Name	Condition	Action	Argument	Value
		OpenForm	Form Name: View: Filter Name: Where Condition: Data Mode: Window Mode:	MAINHELP Form  Edit Normal
		Maximize		

ศูนย์วิทยทรัพยากร  
 จุฬาลงกรณ์มหาวิทยาลัย

C:\THESIS\ACCESS\COMSPEC.MDB  
Macro: REPALLSPEC

Sunday, October 09, 1994  
Page: 1

**Properties**

Date Created: 26/11/93 6:05:30 PM  
Owner: admin

Last Updated: 26/11/93 6:05:55 PM

**Actions**

Name	Condition	Action	Argument	Value
		OpenReport	Report Name: View: Filter Name: Where Condition:	REPCOMSPECTYPE3 Print Preview



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย

### ประวัติผู้เขียน

นายวิสูตร ชีถนอม เกิดเมื่อวันที่ 21 กันยายน 2506 ที่ กรุงเทพมหานคร สำเร็จการศึกษาระดับปริญญาตรี บริหารธุรกิจบัณฑิต สาขาวิทยาการจัดการ มหาวิทยาลัยสุโขทัยธรรม-มาราช เมื่อ พ.ศ. 2535 และเข้าศึกษาต่อในหลักสูตร วิทยาศาสตร์มหาบัณฑิต สาขาวิทยาศาสตร์คอมพิวเตอร์ คณะวิศวกรรมศาสตร์ ที่จุฬาลงกรณ์มหาวิทยาลัย ในปี พ.ศ.2536



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย