16 Bay RAID 4U Subsystem
Dual Host (2Gb Fibre or Ultra3) to IDE

With Support for:
- RAID Levels 0, 1 (0+1), 3, 5
- Two Ultra3 SCSI Host Channels
- Two 2Gb Fibre Host Channels
- 16 Ultra DMA 100 Disk Channels

FAULT DETECTION
HOT-SWAP MAINTENANCE
UNINTERRUPTED OPERATION

Enclosure

- Attractive Low Profile, 4U Enclosure, in Rackmount or Tower Configurations.
- Includes One RAID Controller and 16 ATA-100 IDE Hard Disk Drive Trays.
- Three 300W, Hot-Swappable, Redundant, Load Sharing Power Supplies
- Three Hot-Swappable, Redundant Dual Fan Assemblies Provide Front-to-Rear Cooling.
- Easy Hot-Swappable Replacement of Drives, Power Supplies and Fans While System Remains Online
- Hot Spare for Stand-by Disk Drive Automatically Takes Over in the Event of a Disk Failure
- System Status Visual Indicators and Audible Alarms for Individual Components - Drive Trays, Power Supplies and Fans
- Aluminum Drive Trays for Heat Dissipation and Emissions Protection.
- Cableless Design Utilizes Backplane and Connectors to Improve Signal Quality and System Reliability
- Automatic Drive Failure Detection and Automatic Drive Online Rebuilding
- Audible Alarm, Pager and Fax Notification
- Agency Approved
- One Year Warranty

RM Series

TR Series

Controller

- Sixteen UltraDMA 100 Disk Channels
- Power Intel i80303 64 Bit RISC CPU
- Standard 128Mb Cache Memory on One SDRAM
- Upgradable up to 512Mb
- Firmware in Flash ROM for Easy Upgrades
- Automatic Bad-Sector Reassignment

Management Software

- GUI Software for Windows 2000 / NT, Solaris, Linux Available
- Firmware Embedded Manager via RS-232C (Platform Independent)

Host Interface

- Dual Ultra3 SCSI or 2Gb Fibre Host Channels
- Transfer Rate up to 160Mbps/Channel with Ultra3
- Transfer Rate up to 2Gb/Sec per Loop with Fibre

NETWORK SYNTHESIS
Phone: (949)453-1805 • **Fax:** (949) 453-1806
Web: http://www.networksynthesis.com
Email: info@networksynthesis.com

NETWORK SYNTHESIS

NS-IS 16

ELECTRICAL

AC Input Power

Voltage	100-230VAC ± 15% (Switch Selectable)
Frequency	47 to 63Hz
Protection	10A/250V Fuse
Efficiency	PFC Function

DC Output Power (Three Units - Load Sharing)

Continuous	375W Each, 1125W Total

ENVIRONMENTAL

Temperature

Operating	10 to 35° C
Storage	-40 to 60° C

Humidity 20% to 80% Non-Condensing

Altitude

Operating	0 to 10,000 Feet
Storage	0 to 30,000 Feet

PHYSICAL

Installation Tower or Rackmount Configurations Available

Dimensions (RM16) 4U h, 17"w (w/o Handle),19"w (w/Handle) 20"d

(TR16) 18.5 h, 7.75"w (w/o stand),9.5"h (w/stand) 20"d

Weight RM16 - 53 Lbs (w/o Disk Drives)
TR16 - 66 Lbs (w/o Disk Drives)

CONFIGURATION

Drive Trays Sixteen 3.5 x 1 Inch Low Profile Drive Trays (Supports up to ATA 133 HDD's)

Power Supplies Three 375W Power Supplies with PFC

RAID Controller Fixed Mount

HOST & COMMUNICATION

Ultra3 Host	Two Standard 68 pin Connections
Fibre Host	Two HSSDC
Terminal	One RS232
Modem	One RS232

COOLING

Three Fan Modules Provide Front to Rear Cooling
Dual Fans Within Individual Power Supplies
All-Metal Construction with Aluminum Drive Trays

ACCESS

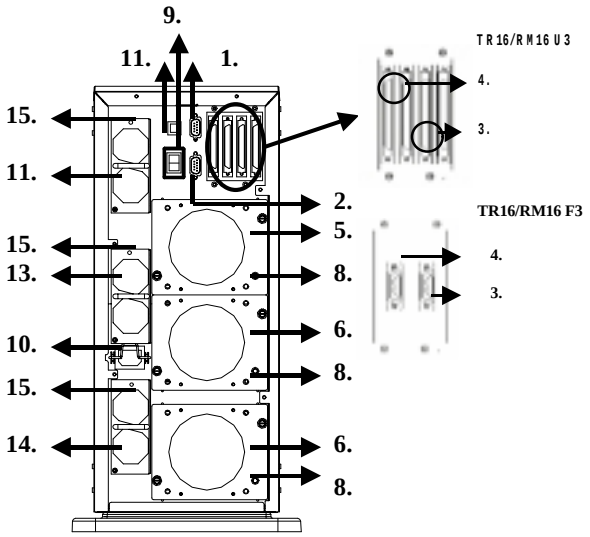
Peripherals	Fast-Disconnect Trays - Hot- Swappable
Power Supplies	Mounted on Rear Panel, Secured by Captive Screws - Hot-Swappable
Fans	Mounted on Rear Panel, Secured by Captive Screws - Hot-Swappable

FAULT INDICATORS

Drive Power	Amber LED - Access, Red LED - Error, Green LED - Online
Power Supplies	Red LED on Front of Enclosure and Audible Alarm LEDs on each Power Supply Module Identifying Specific Failed Power Supply
Fans	LEDs on Front Panel and Audible Alarm

ADDITIONAL OPTIONS

Tower or Rackmount Configurations
OEM Logo Silkscreening
Local/Remote Critical Component Monitor - Power Supplies, Fans, Environmental Temperature



1. RS232 Port (For Terminal)
2. Modem Port

TR16 / RM16 U3 :

3. Host SCSI Channel Port
4. Second Host SCSI Channel Port

TR16 / RM16 FC :

3. 1st Fibre Channel Loop
4. 2nd Fibre Channel Loop

5. System Cooling Module 1.
6. System Cooling Module 2.
7. System Cooling Module 3.
8. System Cooling Module Fail Indicator.
9. Power Switch
10. AC Inlet with the Latch
11. Power Supply "Alarm" Reset Button.
12. Power Module 1.
13. Power Module 2.
14. Power Module 3.
15. Power Indicator LED on Module.

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