

Fibre RAID Subsystem



BC AWARD BEST CHOICE 2010
JURY'S SPECIAL

TS-4801R

High Performance, High Availability, Easy Management

The Innovative 2.5" Fibre RAID system, setup an important milestone for MaxTronic entering into the Critical High-end enterprise demands, High performance, Eco-Friendly, and government grade data-at-rest Security. The new space efficient storage systems fully comply with latest HDD trends of SAS, Small Form Factor and Self Encrypting Drive(SED).

The 4Gb FC host interface and dual active-active controllers enable high performance and full hardware redundancy, best feasible for enterprise level 24x7 operation. The 2.5" SFF drives consume around 50% power than 3.5" drives, generate less thermal and acoustic noise, reducing the power consumption and operating cost.

FEATURES HIGHLIGHT

Energy Efficiency

The 80% high efficiency rating power supply delivers lowest power consumption.

Quiet Operation

Operational noise is lower than 50 dB, best fit for noise sensitive application.

Dynamic Airflow

Special designed fan module improves the cooling efficiency and the energy consumption.

Disk Standby

Support disk spin down option while host inactivity. This function helps to further reduce power usage but depends on drives support capability.

Capacity Expansion

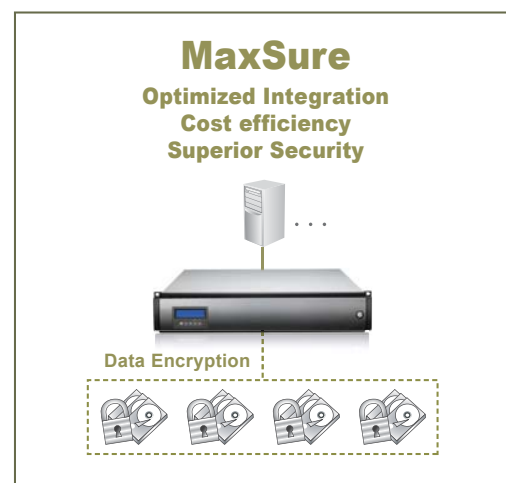
Expandable up to 120 disks by cascading with the external 2.5" or 3.5" JBOD unit, helps reducing the total cost of ownership.

Superior Security

The TS-4801R-SE with the Self Encrypting Drives (SED) apply FIPS approved AES-128 bit encryption algorithm; the government grade data security feature, no backdoor available.

Optional SED (Self Encrypting Drive)

The TS-4801R-SE offers hardware based, disk drive integrated encryption for data resident to disks. All encryption executed by SED (Self-Encrypting Drives) itself, where eliminates performance down-time due to no sharing of CPU resources.



Janus II Series 2U 24bay Fibre RAID Subsystem



3D Content Creation



Data Center



Virtualization

SPECIFICATION

Host Channel

Model No.	TS-4801E / TS-4801R
Data Transfer Rate	Up to 4GBps per port
External Connector Type	SFP (*1)

*1. SFP transceiver is not included.

Host Interface	4Gb FC
Host Channel No.	2 / 4
JBOD Expansion	Yes (*2)

*2. Support up to 118 disks (include local chassis)

Hardware

Controller No.	Dual (Redundant)
Controller CPU	Intel IOP34x
Disk Channel No.	24
Hot Swap Power Supply	400W x2 Redundant
Battery Backup	Optional

*3. Support SATA drive requires AA-MUX tray board.

Cache Memory	Up to 4 GB DDR II
Disk Interface	SAS (SATA compatibility)
Hot Swap Disk Tray	24 x 2.5" swappable trays
AC Input Voltage	100 to 240V (+/-10%), 47 to 63 Hz
Hot Swap Fan Module	2 x Turbo Fan

RAID Functions

RAID Levels	JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID
RAID Features	<ul style="list-style-type: none"> - Support multiple RAID levels and stripe size - Support local hot spare and global hot spare - Online background initialization - Online RAID level and stripe size migration - Online capacity expansion and shrink
Advanced Data Protection	SMARTCor. Function (DST, DS, DC)
MaxSure	Instant secure erase, key management

- Online disk group de-fragmentation for free space consolidation
- Online drive traveling and disk roaming
- Online array recovery

RAID Management

Front Panel	Easy access for configuration and status report
Management AP	Java-based management GUI for configuration and status monitoring
Event Notification	Built-in buzzer, e-mail, SNMP trap downloadable event records (up to 1024)
RS-232 Terminal	Command Line Interface (CLI) for configuration and status report
GUI	Embedded Ethernet connection, web browser-based RAID management GUI for configuration and status monitoring

Environment Specification

Humidity	20% to 80% non-condensing
Operating Temp.	5°C to 40°C (41°F to 104°F)
Non-operating Temp.	-25°C to 60°C (-13°F to 140°F)

Dimension and Weight

Physical Dimension	485(W) x 545(D) x 88(H) mm
Packed Dimension	610(W) x 800(D) x 280(H) mm
Physical Weight	22Kgs (without drives)
Packed Weight	31Kgs (without drives)

* Specifications and product offerings may vary without notice.
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