

It's **ALL** About Your Data.

SCSI-to-UltraATA/100
External RAID Subsystems

UltraTrak100 TX8 and TX4™

Introducing two low-cost solutions for high performance, high capacity, fault-tolerant storage for networks: the UltraTrak100 TX8 and TX4 RAID 3 & 5 subsystems. These external storage powerhouses from Promise Technology, the leader in ATA RAID solutions, allow you to use your choice of either up to eight (TX8) or four (TX4) Ultra ATA/100 drives for the ultimate in storage performance, capacity, and economy. A powerful internal RAID controller with i960 RISC processor and 16MB cache memory assures fast handling of all I/O requests.

UltraTrak100 TX subsystems offer an LCD display menu and easy pushbutton control for easy setup of all RAID levels and hardware monitoring. Since the subsystem appears as a standard SCSI device, it's also recognized by major operating systems including Windows and Linux without additional drivers.*

Put Ultra ATA/100 RAID Anywhere You Need It

UltraTrak100 TX4 or TX8 provide one of the most powerful external Ultra ATA RAID storage solutions available, since the subsystems appear as standard SCSI drives. Simply attach either subsystem to an existing onboard or add-in Ultra2 SCSI controller. Each UltraTrak100 subsystem uses a push-button-driven LCD display menu for set up — making them the ideal choice for integration into networking, workstations, or other computing environments. Now you can create an UltraTrak100 TX8 or TX4 RAID array in your central office location, then send the unit anywhere for easy installation.



UltraTrak100 TX4
RAID 5 Subsystem
Supports up to 4 Ultra ATA/
100 drives

▲ UltraTrak100 TX8 RAID 5 Subsystem
Supports up to 8 Ultra ATA/100 drives

- Supports RAID 5, 3, 0+1, 1, and 0
- Hardware and Operating System independent
- Allows up to eight high capacity, high performance, low-cost Ultra ATA drives
- Appears as standard SCSI device
- Easy push button setup and operation

* While the UltraTrak100 TX4 and TX8 should appear as standard SCSI devices to any operating system, Promise has only verified functionality in Windows, Linux, and Netware environments.

ULTRAK100 TX8 AND TX4™ SCSI-TO-ULTRAATA/100 EXTERNAL RAID SUBSYSTEMS

Hassle-free Approach

With the UltraTrak100 TX series, each drive installs inside a carrier that easily slides in and out of the external tower. The carriers glide into place along special tracks built into the tower, and securely lock into place. The use of swappable drive carriers reduces other potential problems due to multiple cable connection hassles and faulty cabling. Because all drives are connected as "master" drives, there are also no problems exchanging the placement of each individual carrier within the UltraTrak100 tower.

Continuous, Safe Operation

UltraTrak100 TX8 or TX4 offer advanced security features that assure continuous data streams for your workstation or network without missing a beat. Each UltraTrak100 TX subsystem fully supports "hot spare" and "hot swap" of a failed drive for automatic, on-the-fly data rebuilding if a drive is replaced in case of drive failure. Audible alarms and visual LED indicators show drive, array or enclosure status at all times. Multiple cooling fans ensure a safe operating temperature for your drives. The UltraTrak100 TX8 also provides redundant, "hot-swappable" power supplies for continuous storage operations even if one power source fails.

The Leader in ATA RAID

Since 1988 Promise Technology, Inc. has offered high performance ATA controllers for PC storage and has been recognized as the creator and leader of ATA RAID since 1997. The world's biggest OEMs and resellers look to Promise for

ongoing innovations in ATA RAID design as the company continues to create the most powerful and economical alternatives to traditional RAID controllers and subsystems.

ULTRAK100 TX8 AND TX4 SPECIFICATIONS

RAID Levels Supported	RAID 5 (data + parity striping) RAID 3 (data striping + dedicated parity drive) RAID 1 (mirroring), RAID 0+1 (stripe + mirror), RAID 0 (striping), JBOD (spanning)
Redundancy Features	Dual hot-swappable power supplies (TX8 unit only)
Number of Drives Supported	TX8: Up to 8 TX4: Up to 4 (minimum 3 required for RAID 3 or 5)
Type of Drives	Ultra ATA/100, Ultra ATA/66, Ultra ATA/33
Automatic Data Rebuild	Supports "hot swap" of failed drive or use of "hot spare" to immediately begin rebuilding data in case of drive failure in data redundant RAID levels
RAID Controller	Onboard i960 processor with 16 MB cache memory for RAID operations
SCSI Interface	Ultra2 LVD SCSI
Data Handling Features	Tagged command queuing up to 32 commands across SCSI interface reducing seek time; variable stripe block sizes
Setup	Push-button operation with text-based LCD display
RAID Management	LCD display permits viewing cache usage statistics, event logs, and array maintenance settings
Operating Systems Supported	Any operating system with embedded or add-in Ultra2 SCSI controller support*
Physical Dimensions	TX8: 470 (h) X 200 (w) X 330 (d) mm; 18.5" X 7.8" X 12.9" TX4: 320 (h) X 180 (w) X 330 (d) mm; 12.5" X 7" X 12.9"
Agency Certifications	FCC Class B, CE
Limited Warranty	2 years

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**PROMISE®
TECHNOLOGY, INC.**

Promise Europe

Unit 1.25 European Business Centre • Luchthavenweg 81
5657 EA Eindhoven, The Netherlands
Tel: 31 (0)40 256 94 61 • Fax: 31 (0)40 256 9463
E-mail: sales@promise.nl

Promise USA

1745, McCandless Drive • Milpitas, CA 95035
Tel: 408 228 6300 • Fax: 408 228 6400
E-mail: sales@promise.com

Promise Taiwan

2F, No. 30, Industry E.Rd. IX
Science-Based Industrial Park
Hsin-Chu, Taiwan, R.O.C
Tel: 886 3 578 2395 • Fax: 886 3 578 2390
E-mail: sales@promise.com.tw

Promise China

Room 3213, No. 11 South Zhong Guan Cun Street
Hai Dian District, Beijing 100081 P.R. China
Tel: 86 10 68723941-2 • Fax: 86 10 68723940
E-mail: sales.china@promise.com

