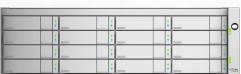
PROMISE VTrak Ex30f

8Gbps Fibre Channel to 6Gb SAS/SATA High Availability Storage

PROMISE® TECHNOLOGY, INC.





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VTrak Ex30f Advantages

- Active-Active dual controller support with ALUA support
- Quad 8Gbps FC ports per controller provides maximum system throughput
- Supports 6Gbps and 3Gbps SAS & SATA drives simultaneously
- Up to 90% power efficiency
- PerfectFlash eliminates downtime for software updates
- Automatic parity rebuild and data integrity checking
- Minimizes maintenance time using Predictive Data Migration (PDM)
- Seamless online capacity expansion
- Embedded I/O performance and power usage monitoring

Why Promise

The Promise VTrak Ex30f subsystem has been designed to provide industry leading performance and reliability for mission critical environments at an affordable price. The fully redundant design provides data protection and availability even if a component should fail. This provides VTrak users uninterrupted productivity for the life of the product. With today's increasing demands on storage infrastructure complexity, IT administrators are constantly looking to gain an edge on performance, capacity and overall cost. The PROMISE VTrak Ex30f is coupled with high speed 8Gbps Fibre Channel host connectivity, support for 6Gbps SAS and SATA disks and a next generation embedded storage I/O processing platform out to set a new performance standard while providing a reliable, flexible and easy to manage RAID storage system.

Tomorrow's Performance. Today.

As performance needs grow, the PROMISE VTrak Ex30f is built using the Intel's next generation storage platform, the Intel Xeon processor C5500/C3500 series to keep pace with those demands. With quad 8 Gbps FC ports per controller and support of the 6Gbps SAS and SATA hard disk drives and SSDs, the VTrak Ex30f performance flys. Delivered in a Storage Bridge Bay (SBB) 2.0 compliant package, the Ex30f offers the full redundancy that is expected of an enterprise solution. Dual active-active controller modules with cache mirroring over a PCIe Gen 2 link allow for redundant data paths to ensure data availability while dual power supplies/cooling units are in place to minimize downtime and any disruption to business continuity.

GreenRAID

PROMISE cares about the environment. VTrak products utilize environmentally friendly production methods and materials and are designed with high-efficiency in mind. Powered by 80Plus certified power supplies that offer up to 90% power efficiency, all VTrak Ex30 products improve total cost of ownership by conserving power, reducing heat output and improving cooling costs. Additionally, the PROMISE GreenRAID story includes advanced power management support for hard disk drives providing up to 65% energy savings.

Service and Support

Every VTrak Ex30 subsystem is backed by the PROMISE 3-Year limited warranty with 24/7 telephone and e-mail support. In addition to our industry leading warranty, PROMISE offers extended warranty and onsite parts replacement options with service levels with response times as low 4 hours.



 Four 8Gbps Fibre Channel ports, backw One external SAS port using industry st 	VTE630fS VTE630fD Up to sixteen 3.5"/2.5" HDDs or SSDs es simultaneously in the same enclosure	VTE830fS VTE830fD Up to twenty-four 3.5"/2.5" HDDs or SSDs							
Up to twelve 3.5"/2.5" HDDs or SSDs SAS: 6 Gbps, 3Gbps NL-SAS: 6 Gbps, 3Gbps SATA: 6Gbps, 3Gbps and 1.5Gbps Supports any mix of SAS and SATA drive Four 8Gbps Fibre Channel ports, backw One external SAS port using industry st	Up to sixteen 3.5"/2.5" HDDs or SSDs	Up to twenty-four 3.5"/2.5" HDDs or							
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 Four 8Gbps Fibre Channel ports, backwards compatible with 4Gbps and 2 Gbps Fibre Channel One external SAS port using industry standard Mini SAS 4x wide-port-SAS connectors (SFF-8088) to connect up to 7 cascading expansion JBODs 									
Data Cache 2GB data cache per controller protected with hot-swappable battery backup unit (BBU)									
0, 1, 1E, 5, 6, 10, 50, 60									
64K, 128K, 256K, 512K and 1MB									
Global or dedicated with revertible option									
1024									
32									
	nd Mapping • I/O performance & • USB Service Log								
 Media Patrol Background Synchronization Foreground Initialization Rebuild Redundancy Check 	RAID Level MigrationUPS Monitoring	 Online Capacity Expansion (OCE) RAID Level Migration (RLM) UPS Monitoring Feature rich task scheduler for background activities 							
 Predictive Data Migration (PDM) Intelligent Bad Sector Remapping SMART Error Handling NVRAM Error Logging Disk Slot Power Control Read/Write Check Table Write Hole Table 									
 Four levels of advanced power management disk drive (MAID) support Efficient 80Plus Certified power supplies 									
 Web Based management using WebPAM PROe (Ethernet) Command Line Interface (CLI) or Command Line Utility (Serial Port or Ethernet via Telnet, SSH) Third Party Management Support via SNMP, CIM 									
Windows 2008, Oracle Linux Red Hat Linu	ıx, SuSE Linux, VMware 4.x								
100-240 Vac Auto-Ranging									
10 A @ 100 VAC; 5 A @ 200 VAC									
>80% @ 110V (>20% load), >80% @ 240V (>20% load)									
Operational: 5° to 35°C									
Operational: 10% to 90% (Non-Condensing)									
55 dB (Typical) 65 dB (Maximum)									
Operational: 5G, 11 ms duration									
Operational: 0.3G, 5 to 500 Hz Non-Operational:: 1G, 5 to 500 Hz									
CE, FCC Class A, UL/CUL, TUV, BSMI Class A, VCCI Class A, CB, KCC, NOM, GOST-R, IRAM, C-Tick, S-Mark									
RoHS, GreenPC, WEEE									
2U/12 Bav	3U/16 Bav	4U/24 Bay							
Dual 550W, 100-240 VAC auto-ranging, 50-60Hz, dual hot swap and redundant with PFC, N+1 design	Dual 580W, 100-240 Vac auto-ranging, 50- 60 Hz, dual hot swap and redundant with PFC, N+1 design	- Dual 750W, 100-240 Vac auto-ranging,							
13.1 x 44.7 x 50.7 cm 5.2 x 17.6 x 19.96 in	13.1 x 44.7 x 50.7 cm 5.2 x 17.6 x 19.96 in	17.4 x 44.7 x 50.7 cm 6.9 x 17.6 x 19.96 in							
18 kg / 40 lbs (w/o drives)	25 kg / 56 lbs (w/o drives)	27 kg / 60 lbs (w/o drives)							
replacement program - PROMISE Service	Plus (optional in some regions)								
	64K, 128K, 256K, 512K and 1MB Global or dedicated with revertible option 1024 32 • Advanced Cache Mirroring over PCle G • Simple, drag-and-drop LUN Masking ar • Asymmetric LUN Unit Access (ALUA) • Volume Copy • Media Patrol • Background Synchronization • Foreground Initialization • Rebuild • Redundancy Check • Predictive Data Migration (PDM) • Intelligent Bad Sector Remapping • SMART Error Handling • NVRAM Error Logging • Four levels of advanced power manage • Efficient 80Plus Certified power supplie • Web Based management using WebPA • Command Line Interface (CLI) or Comm • Third Party Management Support via S Windows 2008, Oracle Linux Red Hat Linu 100-240 Vac Auto-Ranging 10 A @ 100 VAC; 5 A @ 200 VAC >80% @ 110V (>20% load), >80% @ 240W Operational: 5° to 35°C Non-Operational: -40° to 60°C Operational: 10% to 90% (Non-Condensir Non-Operational: 10% to 90% (Non-Condensir Non-Operational: 5% to 55% (Non-Conde 55 dB (Typical) 65 dB (Maximum) Operational: 10G, 11ms duration Non-Operational: 10G, 5 to 500 Hz Non-Operational: 10G, 5 to 500 Hz Non-Operational: 10G, 5 to 500 Hz RoHS, GreenPC, WEEE 2U/12 Bay Dual 550W, 100-240 VAC auto-ranging, 50-60Hz, dual hot swap and redundant with PFC, N+1 design 13.1 x 44.7 x 50.7 cm 5.2 x 17.6 x 19.96 in 18 kg / 40 lbs (w/o drives) Three year complete system limited warrareplacement program - PROMISE Service	64K, 128K, 256K, 512K and 1MB Global or dedicated with revertible option 1024 32 • Advanced Cache Mirroring over PCle Gen2 • Simple, drag-and-drop LUN Masking and Mapping • Asymmetric LUN Unit Access (ALUA) • Volume Copy • Online Capacity Exp • Rebuild • Perdictive Data Migration (PDM) • Predictive Data Migration (PDM) • Intelligent Bad Sector Remapping • Forer Handling • Forer Verb Data Migration (PDM) • NVRAM Error Logging • Four levels of advanced power management disk drive (MAID) support • Efficient 80Plus Certified power supplies • Web Based management using WebPAM PROe (Ethernet) • Command Line Interface (CLI) or Command Line Utility (Serial Port or Ethernet via • Third Party Management Support via SMMP, ClM • Web Based management using WebPAM PROe (Ethernet) • Command Line Interface (CLI) or Command Line Utility (Serial Port or Ethernet via • Third Party Management Support via SMMP, ClM • Modows 2008, Oracle Linux Red Hat Linux, SuSE Linux, VMware 4.x 100-240 Vac Auto-Ranging • 0 A @ 100 VAC; 5 A @ 200 VAC >80% @ 110V (>20% load), >80% @ 240V (>20% load)							

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