



VTrak 8206



Unmatched I/O Performance of AI Storage

The VTrak 8206 is an extreme performance breakthrough enterprise storage solution created to handle applications with zero tolerance for latency. The all NVMe drive system is ideal for diverse workloads including AI training and Inference, HPC, high-performance databases, real-time analytics, virtualized environments, and media production.

Every component is designed for maximum throughput; U.2 and U.3 NVMe drives connected via PCIe 5.0, with network options that goes up to 800GbE per system. Extreme performance is matched with the built-in data protection and reliability of PromiseRAID 5.0 - renowned in the industry for stability and performance. All managed via the intuitive system user interface WebPAM 5.0 for rapid response management, optimized storage environment and quick setup.

Highlights

| Performance

- Extreme low latency/extreme high IOPS
- PCIe 5.0 U.2/U.3 NVMe

| High-speed Network Versatility

- 25GbE, 100GbE, 200GbE and 400GbE per Controller options.
- 32G/64G Fibre Channel interface options

| Non-Disruptive Reliable Operation

- Full dual path redundancy, Active-Active/Active-Standby Dual Controller
- Non-disruptive update, quick and easy FRU replacement

| Data Protection and Features

- AFA and NVMe-oF modes for data access.
- PromiseRAID®5.0 proprietary innovation including Predictive Data Migration (PDM)
- Varied RAID configuration options protect data.

| Usability and Management

Intuitive WebPAM 5.0 user interface for easy system management

| Application Range

AI Training and Inference focused, critical applications perform at their peak no matter what the industry or challenge.

Technical Specifications

Model	VTrak 8206S Single Controller AFA	VTrak 8206D Dual Controller AFA
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General Information

Form Factor	2U, 19" Rackmount	
CPU	Intel Xeon 6 GNR-W processor	
Memory per Controller	64 GB DDR5 (Max: 8 DIMM slots)	
Number of Bays	24 Bays	
Drive Support	U.2/U.3 Single/Dual Port NVMe	U.2/U.3 Dual Port NVMe
Host Interface Options per Controller	1. Dual port 100/200GbE QSFP56 2. Single port 400GbE QSFP112 3. Quad port 25Gb/s Ethernet SFP28 4. Dual port 32G Fiber Channel HBA SFP28	
PCIe Slots	Slot 1: Standard PCIe Gen5.0 x16 (x8 when Slot 2 is in use) Slot 2: Standard PCIe Gen5.0 x8 Slot 3: Standard Gen4.0 x4	
Additional PCI Slots (Optional)	Slot 4: Standard PCIe Gen5.0 x16(x8 when Slot 5 is in use) Slot 5: Standard PCIe Gen5.0 x8	-
USB Port per Controller	2x USB 3.2 Gen1 (rear) , 2x USB2/3 (front)	

Features and Protocol

RAID Levels	Promise RAID 5.0: RAID 0, 1, 5, 6, 10, 50, 60
Hot Spares	Global or Dedicated
Promise Features	OPAS, PDM, NVME health check
Network Protocol	iSCSI, FC, Shared Storage, NVMe-OF / RDMA /RoCE V2
OS Compatibility	Windows 11, Windows Server 2022, Windows Server 2025, MacOS, Ubuntu, Rocky Linux, AlmaLinux
Platforms and Architecture	XFS, EOS, Lustre, BeeGFS, VMWare, OpenStack, Proxmox, Azure, S3

Management

Management Interface	1x RJ45 1GbE per Node, 1x RJ11 UART per Node, Optional: 1GbE Interface for Redfish Management APIs.
Management Tool	Promise WebPAM, CLI, Redfish Management APIs

System Information

Power Supply	Redundant Dual 1600W CRPS PSU 80+ Platinum/Titanium
AC Input	AC 100-240V, 60~50Hz
Dimension (H x W x D, mm)	88.4 x 484.2 x 773.5 mm
Hot Swap FRU	U.2/U.3 NVMe, Power Supply Unit, Controller

Warranty and Support

Warranty	3-years standard warranty, optional extended warranty, and on-site parts replacement program (PROMISE ServicePlus) available.
Support	24/7 PROMISE eSupport Portal (support.promise.com), optional 24/7 phone and email support available.

