



# VTrak D5000 Series

25G supported



## Taking storage to the next level

The VTrak D5000 series unified storage systems offer unbeatable scalability, flexibility, efficiency, and simplicity at an affordable price. With high-performance hardware, adaptive storage software, flexible protocols, and seamless connectivity, VTrak D5000 empowers data-driven businesses. 25G ports and Flash drives for faster throughput, reduced latency, with intelligent PROMISE data caching prioritizing critical data in real time. Optimized for SMB/NFS protocols, VTrak D5000 handles large-scale data ingestion, streaming, and processing via 25G/10G Ethernet. It supports direct data transfers over SAN using iSCSI or Fibre Channel networks and features high-availability dual controllers, a hot-swappable modular disk array, and 24/7 technical support.

## Highlights

- Simplify Your Storage Environment**  
Hybrid interfaces allow Concurrent FC & iSCSI connections for SAN as well as NAS protocols
- Eliminate Downtime**  
Fully redundant design for enterprise and Active-Active Dual Controller with ALUA support for access flexibility
- Realize Superior Value**  
Reduce latency and speed operations with up to 50% higher performance
- Proactive & Predictive Analytics**  
Predictive Data Migration (PDM) to minimize maintenance rebuild
- Consolidate Infrastructure**  
Highspeed 10GbE and optional 25GbE/16G FC, with 6G SATA<sup>1</sup> and 12G SAS interfaces
- Applications**  
Video Compressed Workflow  
General IT Infrastructure  
Virtualized Applications  
High Bandwidth Applications  
Backup and DR target

<sup>1</sup>SATA drives require a SAS-SATA adapter

# Technical Specifications

Model	VTrak D5300	VTrak D5320	VTrak D5600	VTrak D5800
	D5300x / D5300fx / D5300yx	D5320x / D5320fx / D5320yx	D5600x / D5600fx / D5600yx	D5800x / D5800fx / D5800yx

## General Information

Form Factor	2U, 19" Rackmount	2U, 19" Rackmount	3U, 19" Rackmount	4U, 19" Rackmount
Drives	12 (LFF)	24 (SFF)	16 (LFF)	24 (LFF)
Host Connectivity	<b>D5000xS:</b> 2-ports 10G SFP+ / <b>D5000xD:</b> 4-ports 10G SFP+ <b>D5000fxS:</b> 2-port 10G SFP+ and 4-port 16Gb FC / <b>D5000fxD:</b> 4-port 10G SFP+ and 8-port 16Gb FC <b>D5000yxS:</b> 2-port 10G SFP+ and 2-port 25G SFP28 / <b>D5000yxD:</b> 4-port 10G SFP+ and 4-port 25G SFP28			
Storage Expansion Ports	2 x 2 12Gb SAS Mini-SAS (SFF-8644) per controller			
Management Ports	2 x RJ-45 1Gb Ethernet and 1 x RJ-11 Serial Port per controller			
Capacity/Expansion	Online Capacity/Volume Expansion up-to 15 JBOD's ; up to 512 drives			

## Data Services and Feature

Max Pools/Volumes	256 volumes per pool, Max 32 pools per System; Max 512 Snapshots / 128 Clones per volume
Data Services(Advanced Pool)	<ul style="list-style-type: none"> <li>Thin Provision</li> <li>Snapshot</li> <li>Thin Clone</li> <li>Thick Clone2</li> <li>Compression</li> <li>SSD Cache (*additional data service license needs to be included)</li> </ul>
Advanced Storage Features	<ul style="list-style-type: none"> <li>Asymmetric LUN Unit Access (ALUA)</li> <li>LDAP for central user management</li> <li>Linux Permission, POSIX ACL,NT ACL</li> <li>Advanced Cache Mirroring over PCIe Gen3</li> <li>Microsoft AD, LDAP and OD</li> </ul>

## NAS Feature

Supported Network Protocols	SMB/CIFS (Windows, MAC), NFS (Linux/Unix), FTP, WebDAV
Max. NAS Share	1024 per pool
NAS Share Size	1PB
Concurrent Sessions / Memory	256 for each protocol /32GB, 128 for each protocol /16GB
Max. Account	10K
Supported Domain	Microsoft Active Directory, LDAP, Apple Open Directory
Max. Domain Account	100K
Data Management	Permission Management, Quota Management, Online Expansion

## High Availability

RAID Levels/Stripe	0, 1, 5, 6, 10, 50, 60 RAID Stripe Support 64K, 128K, 256K, 512K and 1MB
Hot Spares	Global or Dedicated
Background Scrub	<ul style="list-style-type: none"> <li>Media Patrol &amp; Redundancy Check</li> <li>Background Synchronization</li> <li>Partial Rebuild</li> <li>Task Scheduler for Background Activities</li> </ul>
Proactive/Predictive Features	<ul style="list-style-type: none"> <li>Predictive Data Migration (PDM)</li> <li>Intelligent Bad Sector Remapping</li> <li>NVRAM Error Logging</li> <li>Drive Power Management (MAID)</li> <li>SMART Error Handling and Write Hole Table</li> </ul>

## Ecosystem Integration

Supported OSs	Windows Server 2012 R2, 2016, 2019, 2022, macOS Sierra 10.12.6, Ventura 13.1, RHEL 6.6, 6.7, 6.8, 7.0, 7.2, 7.4, SLES 11 SP4, 12 SP1, VMWare ESXi 6.0, 6.5, 6.7, 7.0, 8.0, Citrix Hypervisor 7.0 LTSR, 7.1 LTSR, 8.0, 8.1, 8.2 LTSR
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## Management Interface

Tools and Protocol	CLI, WebPAM ProE: Web Based management tool, SSH, SNMP
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## System Information

Power	Voltage: 100–240Vac Auto–Ranging, Max Current: 9A @ 100Vac; 4.5A @ 240Vac		Voltage: 100–240Vac Auto–Ranging, Max Current: 12A @ 100Vac; 4.5A @ 240Vac	
Power Eciency	>80% @ 110V (>20% load), >80% @ 240V (>20% load) Temperature Range, 80Plus Certified PSU			
Temperature Range	Operational: 5° to 35°C, Non-Operational: -40° to 60°C			
Humidity	Operational: 20% to 80%, Non–Operational: ~ 95% (Non-Condensing)			
Noise Levels & Shock	< 60dB, 25C, Operational: 5G, 11 ms Duration, Non-Operational: 30G, 11ms duration			
Vibration	Operational: 0.2G, 5 to 500Hz (sine wave) ; 0.41G, 3-10-200-500Hz (Random) ,Non-Operational: 1G, 5 to 500Hz (sine wave) ; 2.256G, 5-80-350-500Hz (Random)			
Dimensions (H x W x D)	88 x 447 x 507mm	88 x 447 x 427 mm	131 x 446.7 x 507 mm	174 x 446.7 x 507 mm
Weight	18.4Kg w/o drives, 26.8Kg w/ drives	16.7Kg w/o drives, 21.2Kg w/ drives	22.0Kg w/o drives, 33.2Kg w/ drives	26.8Kg w/o drives, 43.8Kg w/ drives

## 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.

Contact us



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