









Tyrone® VERTA

Verta D2ZC-12S

Simplicity and flexibility to scale.



The era of having multiple units for different storage needs is passing, as diverse storage products prevent optimum utilization and can be difficult to manage. Verta series from Tyrone Systems, consolidates all your storage requirements.

 <p>SCALABLE</p> <p>Storage capacity can be easily scaled in Verta by adding JBOD units to the primary storage.</p>	 <p>EASY MANAGEMENT</p> <p>VERTA provides interactive and easy management through web-based GUI management</p>	 <p>HIGHLY SECURITY</p> <p>Provides high-level data protection and redundancy.</p>	 <p>SYNC</p> <p>Helps to validate data recoverability.</p>
 <p>HIGH OPTIMIZATION</p> <p>Consumes fewer resources than managing tape media requires.</p>	 <p>HIGHER PERFORMANCE</p> <p>More data can be managed with less infrastructure.</p>	 <p>EASY BACKUP</p> <p>Enhanced backup and recovery with an easy disaster recovery strategy.</p>	 <p>COST OPTIMIZATION</p> <p>Uses less energy and has a low operational cost.</p>

Clients Supported	Windows, MAC OS, Linux, FreeBSD, Solaris
File Protocols	SMB, NFS, AFS, FTP
Block Protocols	iSCSI Target, FC Target, SRP Target
Host Interface(s)	Bundled: 4 10G Ethernet ports, 1 x Management port (per controller) Optional Add-ons 4 or 8 GbE (RJ45) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) 4 10G (SFP+/RJ45) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) 4 25G (SFP28) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) 2 100G (QSFP) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) 2 or 4 16G Fibre-channel ports (FCP) 2 100G (QSFP) InfiniBand ports (SRP or IPoverIB)
Management	Web based GUI for management Hardware monitoring
Advanced Features	Supports SSD Caching (Optional upgrade), Built-in Snapshot with rollback Snapshot, High Availability, File System with Journaling support, Inbuilt user authentication, Support for ADS & NIS, Support for Volume Replication De-duplication & Compression (Optional upgrade)
System Physical Specification	CPU (Default 1) Intel Xeon processor (10 cores) Memory 32GB DDR4 ECC memory RAID LEVEL 0, 1, 5, 6, 10, 50 & 60 HDD Bays 12 LFF/SFF HDD Type SATA/SAS HDD/SSD Max Expansion 2U P. Supply 1U 800W Redundant Platinum Super Quiet power supply W/PMbus.

VERTA D2ZC-12S SPECIFICATIONS



Features	Detailed Specifications
Form Factor	2U 12-bay
Controller	Single
System Memory (per node)	12/16 DIMM slots
Host Board	<p>Onboard host ports: 4 10G Ethernet ports(Per controller); 1 x Mgmt port (Per Controller)</p> <ul style="list-style-type: none"> - 4 or 8 GbE (RJ45) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) - 4 10G (SFP+/RJ45) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) - 4 25G (SFP28) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) - 2 100G (QSFP) Ethernet ports (SMB/NFS/FTP/AFP/iSCSI) - 2 or 4 16G Fibre-channel ports (FCP) - 2 100G (QSFP) InfiniBand ports (SRP or IPoverIB)"
Max. Drives Number	Up to 500 HDDs/SSDs using add-on JBODs
Drive Interface	12Gb/s SAS
Supported Drives	SAS/SATA LFF/SFF HDDs/SSDs
Drive Advanced Features	S.M.A.R.T. support
RAID Options	RAID 0,1,5,6,10,50 & 60
Advanced Features	<p>Default software features include:</p> <ul style="list-style-type: none"> - SED (self-encrypting drives) - Snapshot: 64 per source volume, 128 per system - Remote replication (file-level) <p>Optional features: SSD cache</p>
OS Support	Windows, Linux, MAC OS, FreeBSD, Solaris
Power Supply Unit	1U 800W Redundant Platinum Super Quiet power supply W/PMbus.
Management	<p>User account management</p> <ul style="list-style-type: none"> - ADS- Web-based management UI - NIS- System Health monitoring
Notification	Email, SNMP
Protocol Support	<p>File-level protocol: SMB, NFS, FTP, AFP</p> <p>Block-level protocol: iSCSI, FCP, SRP"</p>
Environmental Specifications	Storage temp: -40°C ~ 70°C / Op. temp: 5°C~ 35°C / Storage Op. humidity: 8%~90%
Packaging Size (W x D x H)	mm: 678 x 290 x 876 / inches: 26.7 x 11.4 x 34.5
Weight (without HDDs)	Kgs: 30"
Mounting	Rail Kits Included

1: The protocols are interface specific and not all protocols work with all interfaces_e.g. FC target requires FC ports. Not all protocol options are available for all clients_e.g. SRP is not available for MAC OS.

2: Not all host interfaces combinations are available. For e.g. it is not possible to have 12 Gigabit ports + 4 10G ports in the same unit.

3: SSD acceleration uses up to 4 HDD bays for populating SSDs reducing the number of available bays.



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