A solution FLEXIBLE enough to ADAPT to your requirements

Tyrone ®
VERTA

With the rise in unstructured data storage requirements, separate file and block solutions are no longer adequate for meeting business goals. Tyrone Verta series from Tyrone Systems consolidates file, block and object data in a single all-in-one storage solution, so you can achieve key business benefits in cost-effective ways. With best-in-class scalability, redundancy, performance and availability, Tyrone Verta optimizes support for critical applications and data center consolidations, all through a single intuitive interface.

Tyrone Verta is a flexible and versatile storage platform, making it an ideal storage solution for high performance computing and broadcast media operations.

DEDUPE   DUAL CONTROLLER   COMPRESSION   ACCELERATION

(intel) XEON inside

Verta D4ZC-36S supports a variety of File and Block protocols, client systems and different configurations for host connectivity

Clients supported : Windows, MAC OS, Linux, FreeBSD, Solaris
File Protocols[1] : CIFS/SMB, AFP, FTP, NFS & NFS over RDMA
Block Protocols[1] : iSCSI Target, FC Target, SRP Target
Host Interface(s)[2] : Gigabit Ethernet - Up to 12 ports (RJ45)
10G/25G/50G/100G Ethernet - Up to 4 ports
Fibre-Channel - Up to 4 ports
FDR/EDR InfiniBand - Up to 2 ports
Intel Omni-path - Up to 2 ports

Support for VTL
• Simulate multiple tape libraries
• Supports multiple users
• Archiving, Backup & Recovery, Data Protection, Disaster Recovery
• Key Features: Tape Replacement, Deduplication, Tape Management and Data compression
• Supports protocols : iSCSI, SRP, FC

FLEXIBILITY
CONNECTS TO ANY NETWORK

SCALABILITY
GROWS ALONG WITH YOUR DATA

UNIFIED
MULTI-PROTOCOL STORAGE

PERFORMANCE
ADVANCED ACCELERATION FEATURES

Flexible Scalability
Verta D4ZC-36S is a highly scalable solution that offers storage capacity over 3 PetaBytes. Storage capacity can be easily enhanced by adding JBOD units to primary storage. For customers requiring performance scaling along with capacity scaling, multiple Verta units can be clustered together.

Flexible data protection & redundancy
All Verta solutions offer a high level of redundancy and data protection. All systems support varies RAID levels (0,1,0+1,5, 6 & 60) for protection against disk failure, and is bundled with a redundant power supply as a default feature. Verta also supports multiple snapshots with scheduling as a default feature and supports local and remote replication. For customers looking for a highly-available storage solution, Verta supports fail-over clustering.

Verta is a flexible solution that supports SSD caching for customers looking for extremely high IOPS. Our SSD caching algorithm is integrated at the hardware level and not at the file system level, and therefore it offers acceleration irrespective of whether you are using file or block access protocol.

Easy Management & Integration
Tyrone systems believes in keeping things simple. Verta can seamlessly integrate with ADS & NIS. Our web-based management UI is very intuitive and easy to use. For system health monitoring, Verta offers support for IPMI 2.0 and SNMP.

Our portfolio includes a wide range of models

	MODELS	Verta D4ZC-36S
Access Protocols	File Protocols	SMB, NFS, AFS, FTP
	Block Protocols	iSCSI, FC, SRP
Interface Ports (per controller)	Gigabit Ethernet	2 (Max 12)
	10G/25G/50G/100G Ethernet	0 (Max 4)
	Fibre Channel Ports	0 (Max 4)
	InfiniBand/OPA Ports	0 (Max 2)
Advanced Features* (*Discuss with sales rep before ordering)	SSD Acceleration	✖
	Snapshot	✓
	Deduplication	✓
	Replication	✓
	Tape emulation (VTL)	✓
	Dual-Controller	✖
System Hardware Specs	Processor	2 x Xeon®
	Memory	32GB (Max 512GB)
	RAID Levels	0/1/5/6/10/50/60, with flash backed cache
	HDD/SSD bays (Hot-Plug)	36 LFF
	HDD/SSD Type	SAS/SATA
	Max Expansion (JBOD)	500
	Form Factor	4U

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.