Myten ASSV-E24C2R Network Attached Storage

This presentation will provide an overview of the Myten ASSV-E24C2R Network Attached Storage (NAS) solution, highlighting its key features, specifications, and benefits.

Key Features

1 **High Availability**

Minimizes downtime, ensuring continuous data availability.

2 **Active-Active/Passive Controllers**

Both controllers operate in an active-active or active-passive mode.

3 **Scalability**

Easy to scale with additional drives or expansion units without interrupting services.

4 **Data Integrity**

Advanced error correction, checksums, and data scrubbing to maintain data integrity.

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Additional Features

1 **Redundant Power**

Supports redundant power supplies to ensure operation even if one power source fails.

2 **Wide Protocol Support**

Supports TCP/IP, FC, iSCSI, NFS, CIFS HTTP/HTTPS, FTP, NTP, SNMP, SMTP, DHCP, DNS.

3 **Industrial Grade**

24x7 days Industrial grade for real time recording storage.

4 **Centralized Management**

Centralized management support Windows/Linux OS.

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Specification

SCU Form factor	4U，24 Bays
Maximum original capacity	480TB Storage expansion via cascading upto 2PB
Total Disk Slots	24
Max Supported Capacity	480 TB
Drive Type	20 TB SAS HDD 7200RPM 3.5"
Usable Capacity per Drive	19 TB
RAID Level	RAID 6
Number of Data Drives	13
Number of Parity Drives	2
Total Drives Used	15
Total Raw Capacity	300 TB
Usable Capacity (RAID 6)	247 TB
Number of Spares	9
Number of controllers	2
Controller mode	Dual Active-Active Controllers operating in failover mode
Memory Per controller	32GB（8GB cache），Optional up to 512GB
Write cache	Support write cache mirroring, power failure zero data loss
EXP Form factor	4U，24 Bays
Supported storage protocols	TCP/IP, FC, iSCSI, NFS, CIFS HTTP/HTTPS, FTP, FCP, NTP, SNMP, SMTP, DHCP, DNS,
Network Interface	1/10/25/40Gbps Ethernet、8/16/32Gbps FC for Concurrent Recording and Playback
Back-end Interface	Four x4 12Gb，SAS3.0
Maximum number of　front-end host ports	8*GE+4*PCIe Slots（FC or 10GE SFP+）
Ports	2*VGA/4*USB/2*RS232/2*FE

Specification

HDD	1-20TB 3.5inch SATA / SAS HDD/ 1-20TB 2.5inch SAS HDD/ SAS SSD 7200rmp
RAID Level	RAID 0, 1, 5, 6, 10
RAID features	Supports RAID striping, reconstruction, Delta reconstruction, and automatic delta synchronization. Supports multiple disk media errors, write recovery under read error, and permanent metadata protection for RAID groups
Other features	Self-start when power on, power on hard disk one by one, hard disk locate and alarm, every hard disk slot power control, SFF8644 signal enhancement, fan regulation by temperature
Snapshots (LUN)	1024
LUN	1024 Logical volume
A file system	128TB
Data protection	Snapshots , LUN copy, Remote replication
Storage management	Multipath management, centralized device management
Hypervisor features	KVM, VMware, XenServer, Hyper-V
BBU	Super capacitor or power lithium battery module
Fans	1+1 High power fan
Power Input	AC 100V~127V/200V~240V; 60Hz/50Hz, Hot pluggable Redundant Power Supply
Power Supply	Internal, AC Power Cable and Socket included
Power module	1+1 800W, Optional 550W / 1300W
Operating System	Built-in storage-optimised OEM OS, designed for high performance, stability and security. It is fully compatible with MS Windows, Linux, and Unix, ensuring seamless integration into diverse IT environments.
Storage Management Software	CLI and Web-Based
Scalability	No additional hardware upgrades are required for expansion beyond disk array enclosures and disk drives
Data Integrity & Security	Yes
Ambient Temperature	10–35°C (50–95°F) while operating; -40 - 55°C(-40 - 135°F) while in storage, according to the surroundings.
Relative humidity	10%RH～90%RH
Net weight	Net weight: 30.00kg
Size(W×H×D)	175mm(H)x440mm(W)x770mm(D) (Rack Mountable)

RAID Features

RAID Striping

Data is distributed across multiple disks for increased performance.

Reconstruction

If a disk fails, data can be reconstructed from the remaining disks.

Delta Reconstruction

Only the changed data is reconstructed, reducing recovery time.

Automatic Delta Synchronization

Ensures that all disks have the same data, even if one disk fails.

Data Protection

Snapshots

Create point-in-time copies of data for recovery or testing.

LUN Copy

Create copies of LUNs for disaster recovery or data migration.

Remote Replication

Replicate data to a remote location for disaster recovery.

Benefits

High Availability
Minimizes downtime and ensures continuous data access.

Scalability
Easily expand storage capacity as your needs grow.

Security
Robust security features protect data from unauthorized access.

Data Integrity
Advanced features protect data from corruption and loss.

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