

EdgeWare™ AVA NAS

Shared Audio/Video Archive storage solution



The EdgeWare™ Audio/Video Archive NAS/iSCSI Storage Solution from Cutting Edge Networked Storage is an enterprise class, high performance file server ideal for critical data applications that require highly available, expandable network attached storage. The EdgeWare™ AVA NAS fits seamlessly into any storage environment, including NAS (network attached storage), SAN (storage area network – IP or FC Fabric) and DAS (direct attached storage). Regardless of whether you require shared network attached volumes or dedicated block level iSCSI or Fibre Channel storage, the EdgeWare™ AVA NAS is the correct solution. The EdgeWare™ AVA-ISS storage solution is ideal for small to medium sized installations that require affordable, NAS, IP SAN, block level iSCSI or Fibre Channel storage solutions or support for DAS, while the EdgeWare™ AVA-MSS storage solution is ideal for mission-critical applications of all sizes from 1TB to 1PB+ that require high availability solutions with no single point of failure.

The EdgeWare™ AVA NAS Series is powered by Cutting Edge's 4th generation field proven EdgeWare™, a fully integrated 64-bit Linux operating environment customized for storage based operations. EdgeWare™ is designed to maximize NAS and iSCSI performance and efficiency with a storage-centric operating system and heterogeneous network file system that is both easy-to-use and easy-to-support. EdgeWare™ offers complete NAS and iSCSI functionality in a unified storage solution, coupled with best-in-class performance, versatility and security for SAN, LAN and WAN applications.

EdgeWare™ AVA-ISS NAS: Audio/Video Archive – Integrated Storage Solution

EdgeWare™ AVA-ISS NAS speeds data access and integrates networking and file system operations in a single unit, lessening the burden of storage consolidation and file sharing in heterogeneous networks. The EdgeWare™ AVA-ISS product family provides the best cost performance and capacity storage solutions available today.



EdgeWare™ AVA-ISS

EdgeWare™ AVA-MSS NAS: Audio/Video Archive – Modular Storage Solution

EdgeWare™ AVA-MSS NAS speeds data access and integrates block and file level operations in a modular storage solution, providing the best in scalable performance and capacity expansion available today. The modular design of the EdgeWare™ AVA-MSS storage solution combines fully fault tolerant operation with Active-Passive IP failover and no single point of failure for the utmost in high availability and data security.



EdgeWare™ AVA-MSS

High-Performance

- Access megabyte to multi-terabyte sized files in seconds. EdgeWare™ AVA NAS provides an aggregate network bandwidth of 500-900+ MB/s sustained over TCP/IP using Gigabit and 10 Gigabit Ethernet technologies.

Connectivity

- Access A/V files via a heterogeneous network file system from any kind of network client (UNIX, Windows, MAC OS, Linux, etc.) using NAS (CIFS, NFS, FTP, HTTP/HTTPS and other network protocols), iSCSI or Fibre Channel.

Reliability

- EdgeWare™ AVA-ISS minimizes down-time with hardware RAID 0, 1, 5, 6, 10, 50, 60 and Single-Disk data protection with Hot-Spare drive capability and redundant hot-swap removable disk drives and power supplies.
- EdgeWare™ AVA-MSS provides a fully redundant modular storage solution with redundant Active-Passive IP Failover servers and modular storage with RAID 0, 1, (0+1), 3, 5, 6, 10, 30, 50, 60, and Single-Disk data protection with Hot-Spare drive capability and redundant hot-swap removable disk drives, power supplies, cooling fans and RAID controllers for uninterrupted access in mission-critical environments.

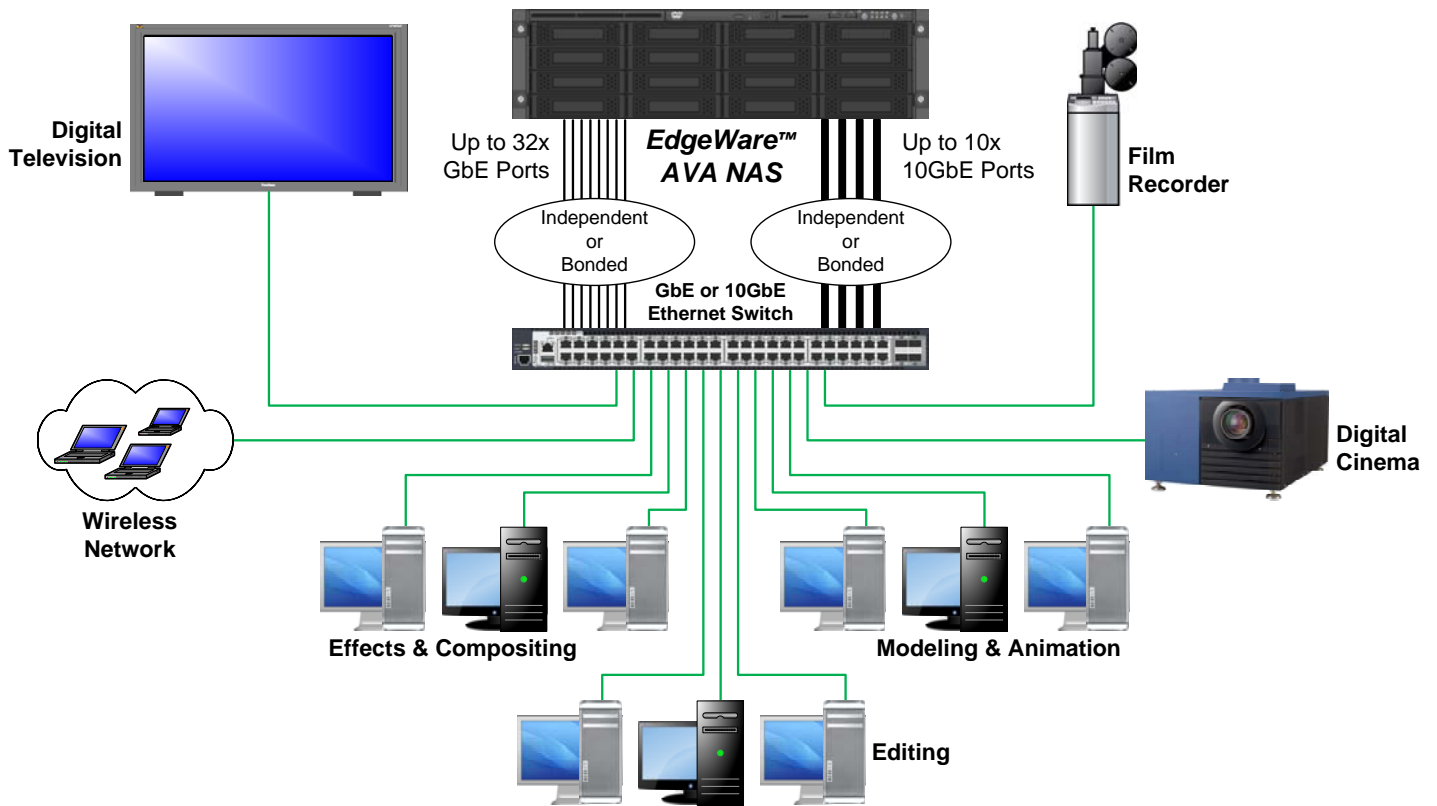
Security

- EdgeWare™ AVA provides a highly secure storage environment with SSH for secure encrypted communications over an insecure network, SSL for secure communications over the internet using asymmetric key encryption and multiple root control services for conditional access.

Recovery

- Backup and recovery are simplified with EdgeWare's integrated replication tools, including synchronous replication for block-level mirroring, asynchronous replication for file-level mirroring and snapshot functionality for fast backup and data retrieval.
- Disk-to-Disk, Disk-to-Tape and Disk-to-USB modes available.

Digital Audio/Video Content Solution with EdgeWare™ AVA NAS



Specifications

GENERAL

Throughput	500-900+ MB/s Sustained
Storage Capacity	1TB Expandable to 1PB+
Client Support	UNIX, Windows, MAC OS, Linux
Security	Share/File Level Permissions, Kerberos v5, SSH Support, SSL Support, Multiple Root Control Services for Conditional Access
Data Integrity	Active-Passive IP Failover, Remote Replication (rsync), Remote Mirroring (drbd), Snapshots and Disk-Disk, Disk-Tape and Disk-USB Backup
Management	Web Based: IE, Firefox, Safari, SNMP MIBs and Traps, Log Review/Download, Flash Boot
Maintenance	Audible and E-Mail Alerts, Storage & Enclosure Monitoring

ENVIRONMENTAL

Temperature	32°F-104°F / 0°C-40°C
Humidity	10%-85% Non-Condensing

EDGEWARE™ SERVER APPLIANCE

Form Factor	1U-12U 19" Rackmount Server
Processors	Dual Intel® Xeon Quad Core 2.26GHz 5500 Series CPUs
Memory	12GB DDR-3 ECC Reg SDRAM
Network Interface	Up to 32x Gigabit Ethernet ports Up to 10x 10Gigabit (CX4, SFP+) or a combination of GbE/10GbE
Network Support	TCP/IP, iSCSI Target and UDP/IP
Storage Interface	6Gb/3Gb SAS/SATA RAID (ISS) 8Gb/4Gb FC HBA (MSS)
Storage Capacity	1TB-144TB per Storage Server
System Management	EdgeWare™ 4.1 OS

EDGEWARE™ MODULAR STORAGE APPLIANCE

Disk Technology	Up to 600GB 6Gb 15K SAS Up to 2TB 6Gb 7200 RPM SATA Low-Power "Green" SATA Available
Form Factor	2U-21U 19" Rackmount Storage
Storage Capacity	1TB-224TB per Appliance
RAID Controllers	Dual Active-Active Controllers
Cache	2048MB per Controller

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