

Media Delivery Node

MEDIA DELIVERY NODE

- Customizable, purpose-built storage node
- Hardware RAID-6 controlled to maximize throughput
- 28 TB Usable Drive Capacity per Node
- Scalable to meet any long-term storage requirements



FEATURES

Extensibility. The single biggest challenge in undertaking any mass digitization and organization project for large libraries of film, tape or print assets is the storage solution. While storage costs have fallen in recent years, MediaRecall has developed an extensible delivery node hardware platform that delivers modularity and high-end performance at a fraction of the cost of overpriced commercial solutions.

Performance. Whether you're looking for 50TB to store lower-resolution web content for your media project, or several petabytes for tens of thousands of hours of high-resolution broadcast quality video content, each independent delivery node can be hosted at your facilities or a collocation facility to maximize throughput and access. And, with a hardware-controlled RAID-6 configuration, maintenance and downtime is minimized.

Affordability. To assist our customers in reducing total cost of ownership, we offer delivery node storage in either as a for-purchase option or as a hosted storage-as-a-service option. Under the hosted option, we can locate the delivery node at any facility of your choice, assuming the hosting provider meets our stringent backup, uptime, bandwidth and power redundancy requirements. Hosted options include service, technical support and maintenance packages.



SUMMARY SPECIFICATIONS

CPU

64 bit 2.6 GHz Dual-Core 1MB Cache with 2000 MHz HyperTransport

Memory

4GB DDR2 ECC Memory with 1066 (Up to 16GB)

Storage

24- 1.5TB "Green" Drives on SAS/SATA Dual Backplane

Network

Dual-port Gigabit Ethernet Controller

File Transfer Throughput

Max Single Transfer: **15 Gbps**
Max Parallel Transfer: **28 Gbps**

Redundancy

83% - 2/12 failure tolerance per volume (2 volumes)

Expansion Options

iSCSI Configuration (10Gbps External Transfer)
Fiber Channel Controller
Dual eSATA Controller
FireWire Controller

SUMMARY SPECIFICATIONS

CPU

AMD ® Athlon 64 X2 5000 2.6GHz Dual-Core, 1MB Cache, 2000MHz HyperTransport, 65nm

Memory

4GB 1066 DDR2 ECC FB-DIMM

Chipset

AMD ® 790FX
AMD ® SB750
Dual channel memory bus

SAS / SATA Backplane

SAS Backplane with AMI MG9072 Expander Chip
Supports up to 128 SAS/SATA devices

Storage

Dual Adaptec 2252400-R with battery backup & cables
24 x 3.5" Hot-swap SAS / SATA Drive Bays

Integrated Interfaces

Realtek ® 8111DL Dual-port Gigabit Ethernet Controller
Dual-port eSATA Controller

PCI

2 x LP PCIe x16 Slot
3 x PCIe x1 Slot
2 x PCI Slot

Optional iSCSI Controller
Optional Fiber Channel Controller
Optional FireWire Controller

I/O

2 RJ45 LAN Ports
2x USB rear ports
USB 2.0 compliant/1.1 compliant
1x VGA Port
1 Fast UART 16550 serial port
PS/2 keyboard and mouse ports

System Cooling

3 x 5000 RPM Swappable Cooling Fans
2 x 5000 RPM Swappable Rear Exhaust Fan

Buttons

Power On/Off button
System Reset button

LEDs

Power LED
Hard drive activity LED
2 x Network activity LEDs
System Overheat LED
Power Fail LED

Chassis

4U rackmount chassis
Height: 7" (178 mm)
Width: 17.2" (452 mm)
Depth: 26" (660 mm)
Gross Weight: 75 lbs (34.0 kg)

Rail Kit

Compatible with four-post racks
Min post depth: 685.8 mm, 27"
Max post depth: 873.1 mm, 34.375"

Operating Environment

Operating Temperature Range:

10 – 35°C (50 – 95°F)

Non-Operating Temperature Range:

-40 – 70°C (-40 – 158°F)

Humidity Range: 8 – 90% non-condensing

Non-Operating Humidity Range:

5 – 95% non-condensing

Power

Power Modules:

900W Redundant high-efficiency power supply w/ PFC
Power Configurations:
Main Switch Override Mechanism, Power-on mode for AC power recovery

Back Panel Power Receptacle:

2 x IEC-320 C14 AC

Power Supply & Power Distributor

AC Voltage: 100 – 240V, 60-50Hz, 11–4.5 Amp
+5V: 50 Amp, +5V standby: 4 Amp, +12V: 75 Amp
-12V: 0.6 Amp, +3.3V: 30 Amp

Safety / Regulatory Compliance (Power Supply)

US: UL Listed, FCC

Canada: CUL Listed

Europe, CE Mark: EN60950 / IEC 60950-Compliant
(complies with 73 / 23 / EEC)

Germany: 1 Fast UART 16550 serial port

International: EN 60950 / IEC 60950 Compliant

Note:

- Actual specifications may change over time, due to the availability of certain components.
- Certain components are upgradable to customer requirements. Please contact us for details.
- Long-term hosting, support and maintenance options are available.
- Product is warranted against defects in the parts installed for one year from the date of installation. Extended warranties are available. Standard manufacturers' warranties apply to all parts, including 3-year warranty on hard drives.