

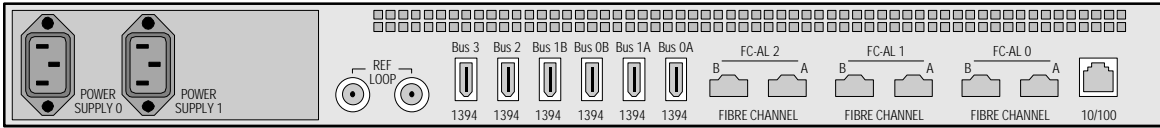
OMNEON MCP 2001 MEDIASERVER



MCP 2001 — Front Panel View

MCP 2001 Description and Specifications

Parameter	Specification	Detail
Fiber Channel	Fibre Channel-Arbitrated Loop Control	3 x FC-AL loop interfaces, 6 x HSSDC connectors (2 per loop)
Ethernet	10/100BaseTX	Omneon API, Windows ⁷ File System Interface (SMB), FTP Server, RJ-45 connector (1 port)
High-speed serial I/O	IEEE 1394	4 x IEEE 1394 (400 Mb/sec) buses 6 x IEEE 1394 6-wire copper connectors (2 connectors each for Buses 0 and 1, 1 connector each for Buses 2 and 3)
Reference	Analog Black Burst Reference Input (Loop)	Reference Black Local Synchronization (75 Ohm BNC)
Environmental	Operating Temperature Humidity	+10C to 35C 10% to 80% non-condensing
Safety	UL/CUL	CAN/CSA C22.2 No. 950-95/UL1950, Third Edition.
CE	Low Voltage Directive (73/23/EEC) including amendments	EN60950: 1992, A1+A2+A3+A4 Safety of Information Technology Equipment
EMC	FCC Part 15, ICES-003 ICES-003 Directive of Electromagnetic Compatibility EN55022: 1998 EN55024: 1998 CISPR 22	Class A for Digital Equipment, USA Class A for Digital Equipment, Canada (89/336/EEC) including amendments Emissions from Information Technology Equipment Immunity for Information Technology Equipment Class A
Dimensions	W: 44.3 cm (17.44 inches) 48.3 cm (19.0 inches) H: 4.4 cm (1.75 inches) D: 54.6 cm (21.5 inches) 55.2 cm (21.75 inches) 56.7 cm (22.31 inches)	Chassis only Chassis plus rack ears Chassis front to chassis rear Chassis front to rear of BNC connectors Front of bezel to rear of BNC connectors Front bezel extends forward [Max. 1.4 cm (0.5625 inches)] from chassis front edge and rack ear plane.
Weight	6.0 kg. (13.5 lbs)	
Power	100-240 V, 50-60 Hz, 1 Amp total	Dual Redundant Universal Power Supplies



MCP 2001 — Rear Panel View

Additional MCP 2001 notes:

- o One MCP 2001 supports 16 MEDIAPORTS maximum (e.g., 16 channels of DV). For IEEE 1394, four 400 Mbps buses are provided. Each bus operates at up to 400 Mbps wire speed.
- o The MCP 2001 Fibre Channel configuration allows each unit to control, read and write data to three independent loops. Data can be striped across multiple loops simultaneously to access more storage. Each loop can access 64 drives.
- o In addition to MANAGER communications, the 100Base-T Ethernet port is designed for non-realtime control of channels, status, configurations, file management and basic disk utilities. The file system software can be “mounted” remotely as a Windows NT[®] file system (SMB Protocol) for access by network computers.
- o Video reference is used for synchronizing real-time media playback in video facilities and for frame accurate queuing of playback when used by controllers using deferred commands.
- o The following additional features and functions are included:
 - **External Clock Synchronization** — a VITC decoder is provided for decoding TOD clock embedded in the Black Burst signal.
 - **Extended File Sharing** — share FS information with multiple MEDIASERVERS. The EFS (Extended File System) feature requires the **Extended File System License**.
 - **RAID** — includes RAID-3 file protection, plus support for 6+1 and 7+1 RAID sets.
 - **Supported Audio/Video Formats** — DV, DVCPRO, DVCPRO 50, MPEG, SDI, SDTI, DVB/ASI, IMX, HDCAM, AIFF, WAV.
 - **Auto-rebuild** — MCP 2001 can rebuild a protected RAID set using an on-line hot spare.

MCP 2001 Software

The following *standard* software components are included with the MCP 2001:

- o **MEDIASERVER Software**
The MCP 2001 MEDIASERVER’s software component controls audio/video clip recording and playback functionality.
- o **File System Software**
The File System Software component manages two main areas:
 - File read/write access on the disk storage system.
 - Permissions and shared access control.
- o **RAID Controller**
The MCP 2001’s RAID Controller handles on-line spares, background disk rebuilds and file system expansion (as more storage is added to the array). Note that MEDIASERVERS and MEDIASTORES can be added to redundant system configurations while the existing system stays on-line — without service interruption.
- o **High-speed Serial I/O Bus Manager**
The MEDIASERVER’s High-speed Serial I/O Bus Manager software governs the packetization of buffered video and audio data, and also manages the serialization of data onto and off of the high-speed buses. The primary function of the buses is to attach MEDIAPORTS and Omneon approved third party I/O devices.