



MEDIALON AUDIO SERVER II

> Multi-Channel Audio Playback Server

Benefits

Industrial rack mountable unit

Intel Core 2 Duo Processor

1 GB RAM

Hot Swappable RAID5 hard drives with 700GB of storage

Redundant Power Supply

Applications

Background Music

Museums

Rides

Cruise Ships

Interactive Audio Kiosks

Walk-through Attractions

Medialon Audio Server II range offers unique features for any audio playback application requiring good quality and medium to large audio storage. Each of its 24 to 96 independent channels can be synchronized together.

Channels can be started independently or by group. Thanks to its position tracking capability, programming of video and light effects synchronization to audio is very easy with Medialon Manager Show Control Software.

Reliability

Medialon Audio Server II has been designed with critical applications in mind and every detail has been set to the maximum quality to ensure maximum reliability when hardware failure is not an acceptable option.

- Industrial rugged chassis, with rigid mechanics to insure firm PCI card and accessories attachment.
- 4 hard drives in RAID-5 to ensure continuous operation in case of hard drive failure.
- Redundant power supply maintains power and warns operator with an alarm in case of failure.

Features

Medialon Audio Server range allows playback of multiple audio channels. It is not a regular multi-track playback unit which plays all files at the same time but a real independent channel server where each file can be started when needed. Each channel can be started independently and at any time using built-in control interface or via TCP/IP or RS232.

Several groups of channels can be played back in synchrony.

Medialon Audio Server comes with its own control software which is run on the server itself or remotely on any PC on the network. The user interface allows loading of audio files, start, pause, stop, vol., balance, etc.

More powerful control capabilities can be obtained with Medialon Manager Show & Media Control Software. All timeline and position tracking capabilities are fully supported by the Audio Server MxM plug-in. Show Control, scheduling application or multiple remote control applications can easily be customized with Medialon Manager Software.

Part Number

MAS_24	24 mono or 12 Stereo outputs
MAS_48	48 mono or 24 Stereo outputs
MAS_72	72 mono or 36 Stereo outputs
MAS_96	96 mono or 48 Stereo outputs

Motherboard & CPU

Motherboard	Industrial ADE-9040 LGA775
Slots	4 PCIs and 1 PCI Express x1
CPU	Intel Core 2 Duo 2,13GHz
Chipset	Intel® Q965 + ICH8R

Memory & Storage

RAM	1GB DDR2 SDRAM 533Mhz
HDD	4 Hot Swappable SATA 7200T Hard drives in RAID5 configuration, 700GB Storage capacity
Optical	DVD-Rom Drive

Display

Graphic Board	Intel Q635 Integrated GMA 3000 Graphics
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Network Connection

Connector	2 RJ45 female
Interface	10/100/1000Mbps
Chipset	Dual Marvel 88E8053 Gigabit Controller

USB Connection

Connector	6 USB on rear panel, 2 USB on front panel
Interface	USB2

Audio Interface

Interface Board	1 MOTU PCI424
Expansion Modules	1 to 4 MOTU 24 I/O
For each module	24 Balanced Mono Output Nominal Output Level selectable to -10dBm or +4dBm 24 Front Panel Bar graphs Audio Wire connection to the MOTU PCI424 Interface Board

Serial Port

Number	1
Connector	9-pin D-type Male
Format	RS232

Power

PSU	Redundant Auto-range 90-260 VAC – 400W + 400W
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Physical

Form Factor	Rack 19" 5U Black for 24 Channels, 8U for 96 Channels
Size	440 x 176 x 540 mm
Weight	30 kg (66.14 lb)
Temperature	32°F - 140°F (0°C – 60°C)
Humidity	0 – 90% RH Non-condensing

Operating System & Software

Windows XP Pro SP 2	
Medialon Audio Server MAS	

Audio File Format

Sample Rate	44.1Khz or 48Khz (same sample rate for all channels)
Wave	96 mono 16 bit or 48 Stereo 16 bit
MP3	96 mono 16 bit or 48 Stereo 16 bit
WMA	96 mono 16 bit or 48 Stereo 16 bit

Functionalities

	Configurable number of Audio Outputs. Audio Outputs are controlled independently from each other.
Commands	Load Media / Play / Pause / Stop / Locate to Time Code / Volume, Cross fade / Balance / Time Code Return (per channel)
Position tracking	(Positrack®) capability with Medialon Manager Software control
Remote Control	From Medialon Manager Audio Server MxM over TCP/IP. From any control system via RS232
Synchronization	Synchronization capability between channels < 5ms, per group (from 2 to 96) using Medialon Manager Control Software.

Accessories

Included:	Power cables Firewire cables
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