SPECIFICATIONS

MediaMatrix®
Miniframe 108™

SPECIFICATIONS

SYSTEM CONTROLLER CARD:

Processor:
80486 DX2 66 MHz
(equivalent or greater)

Cache:
128 K

Memory:
8 MB RAM

Drives:
3.5" FDD
420 MB HDD (minimum)

SYSTEM CONTROLS:
Keyboard Lock
Reset, HDD, and Power Switches
Power LED

Video:
1024 x 768 256-Color Video
with 70 Hz Refresh Rate

DIGITAL AUDIO PROCESSING CARD:

Processor:
Four Motorola® 56002 DSPs
(each card)

CARD I/O:
(Via MM™-8840 or MM™-8830)
8 Inputs (expandable to 16)
8 Outputs (expandable to 16)

FILTERED AIR SYSTEM:
12 V DC fan
Air movement is 168 CFM (Cubic Feet
Per Minute)
Fan Size: 4.69" x 4.69" x 1"

PHYSICAL CHARACTERISTICS:

Enclosure Dimensions:
Height: 6.7 inches
Width: 17 inches
Length: 18.5 inches

Front Panel:
Height: 7 inches
Width: 19 inches

Weight:
56 lbs.

POWER SUPPLY:
250 watt, Four Output
Complies with UL/CSA/VDE/CE

Input Voltage:
110-220 V AC

Input Frequency:
50 Hz to 60 Hz

OPERATING SYSTEM:
DOS, Windows™ for System Controller
Card
MWare™ operating software for Digital
Audio Processing Card (In Windows™
Environment)

AUDIO DEVICES:
Automatic Mixers from 2 to 8 (expandable
to 16) channels
MM-8800 Series Control
Externally controllable levels, switches,
and routers
Crossovers: 2-way, 3-way, and 4-way
slopes from 6 to 24 dB per octave
in 6 dB steps

Delay Lines of various delay lengths
and number of taps
Automatic Gain Control
Compressor/Limiter
Ducker
Expander
Noise Gate
1/3 octave graphic equalizer
1 octave graphic equalizer
Parametric Equalizers
High Pass Filter
Low Pass Filter
All Pass Filter
High Shelf Filter
Low Shelf Filter
Tone Control
Inputs
Level
Level with Trim
Overload Indicator
Signal Present Indicator
Meters
Mixers in various configurations from 2
to 8 inputs, from 1 to 8 buses,
expandable to 16
Output
Label
Block
Presets
Pink Noise Generator
Probe
Sine Generator
White Noise Generator
Additionally, new devices may be
created and stored by the operator.

FEATURES:
• Four Motorola 56002 DSP's
(equivilant to one MM-DSP
DPU card)

• 8 Channels of I/O standard

PEAVEY®
ARCHITECTURAL ACOUSTICS®

(expandable to 16)

- Standard 19" NEMA rack-mount enclosure
- 1024 x 768 256-Color Video with a 70Hz refresh rate
- 250 Watt, 4 output power supply
- Lockable front control panel
- Heavy-duty, all-welded construction
- Three (3) switches for keyboard lock, processor reset, and auxiliary functions
- 420 MB HDD
- 3.5" FDD

DESCRIPTION

The MediaMatrix® Miniframe 108 is the heart of an unprecedented digital audio system. The system is based on an open architecture that utilizes a system controller card and one or more digital processing cards employing four (4) Motorola 56002 DSP chips. When attached to the MM™-8830 or MM™-8840 Digital Interface, it provides 8 inputs and 8 outputs. The maximum system capacity is 16 total inputs and outputs. The MediaMatrix MWare™ operating software provides the user/designer the ability to design, wire (in the soft domain), and troubleshoot a complete digital audio system. The user can then control all the parameters of the system or create custom panels, or even devices, to provide solutions not previously available.

The MWare™ operating software provides system diagnostics, system design, audio devices, and DSP compiling features, which run under the familiar Windows™ environment.

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The audio processing shall be in the digital domain following the input source and shall remain until power amplification is required. The audio processing system shall be able to provide a list of audio devices, which may be chosen and configured into the system at any time, from a device menu running under the familiar Windows™ environment. The list shall include, but not be limited to, Automatic Mixers from 2 to 16 channels; Digital Interface controls; externally controllable levels, switches, and routers; Crossovers: 2-way, 3-way, and 4-way slopes configurable from 6 to 24 dB per octave in 6 dB steps; Delay lines of various delay lengths and number of taps; Automatic Gain Control; Compressor/Limiter; Ducker; Expander; Noise Gate; 1/3 octave graphic equalizer; 1 octave graphic equalizer; Parametric Equalizers from 1 to 8 band; High Pass Filter; Low Pass Filter; All Pass Filter; High Shelf Filter; Low Shelf Filter; Tone Control; Inputs; Level; Level with Trim; Overload Indicator; Signal Present Indicator; Peak Meter; R.M.S. Meter; Mixers in various configurations from 2 to 8 inputs (expandable to 16), from 1 to 16 buses; Output; Label; Block; Presets; Routers from 1x1 to 16x16; Pink Noise Generator; Probe; Sine Generator; White Noise Generator; and the ability to create and store new devices as required.

The hardware shall consist of one (1) system controller card and digital audio processing card with four (4) Motorola 56002 DSP chips. The system shall have diagnostics software available for troubleshooting system hardware. The system shall have a minimum of a 250 Watt power supply. The system shall be a MediaMatrix® Miniframe 108™.

Windows™ is a trademark of Microsoft Corporation

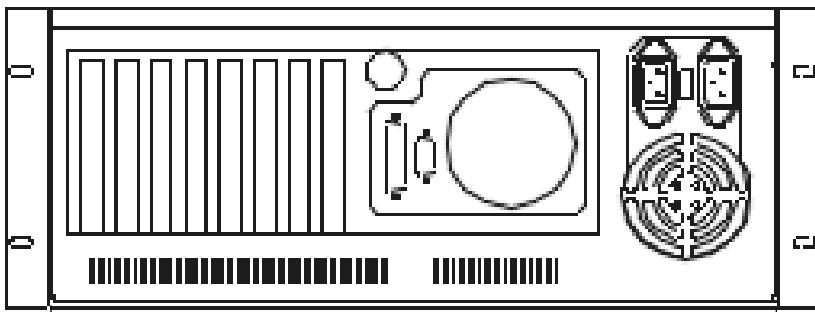Motorola® is a registered trademark of Motorola, Inc.

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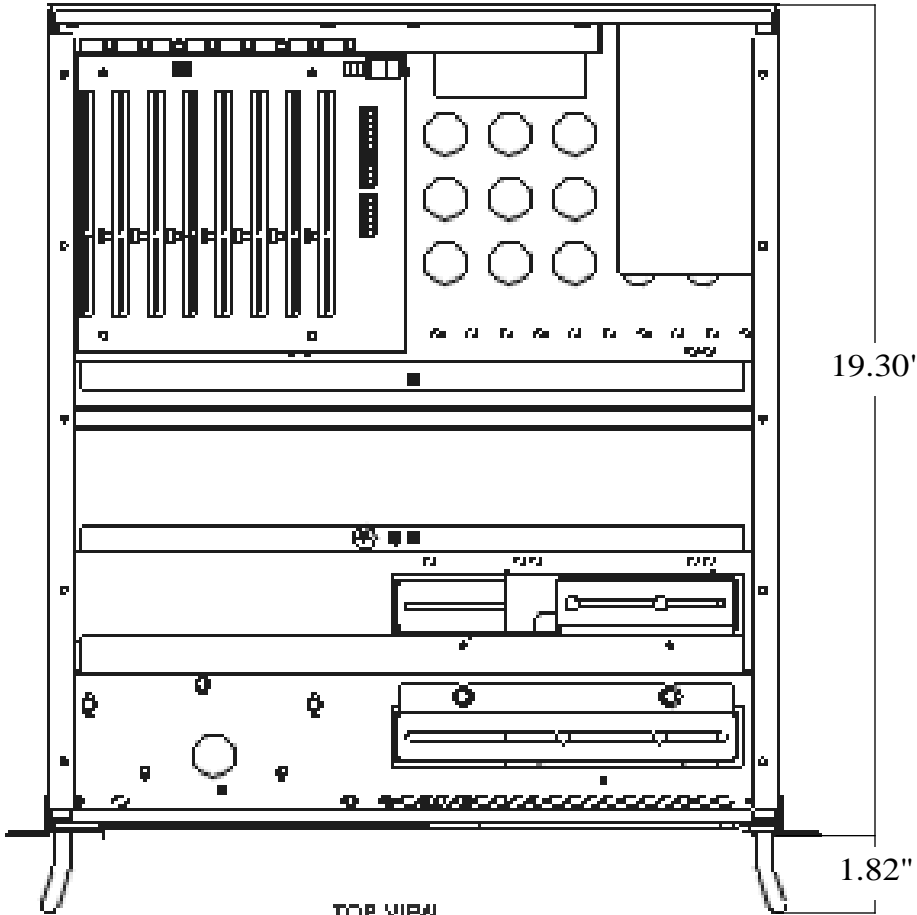
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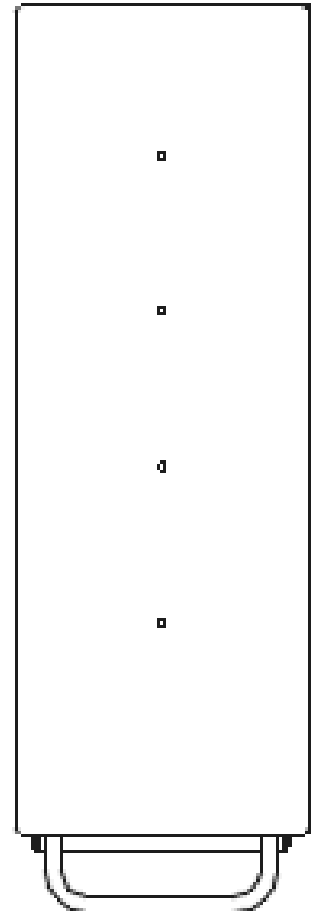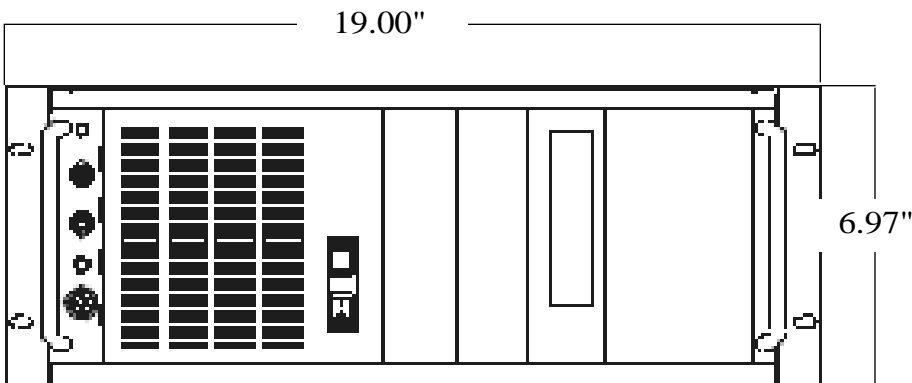
**MediaMatrix®
Miniframe 108™**

17.03"

REAR VIEW

19.30"

1.82"

TOP VIEW

SIDE VIEW

19.00"

6.97"

FRONT VIEW

PEAVEY
ARCHITECTURAL ACOUSTICS®

Features and specifications subject to change without notice.

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