Miniframe™ II Series

MediaMatrix®

Integrated Digital Audio Processing System **Data Sheet**

DESCRIPTION

The Miniframe II is a completely redesigned version of the time-tested Miniframe digital audio processing system. This new Miniframe comes with all the great features of the original, but in a conveniently compact (2U) design. A host of features, including an Intel CPU, generous SDRAM Memory, optical and magnetic media make the new Miniframe an even better value. Bundled with Windows 2000 Professional and MWare™ 3.x, the industry standard system for audio & communications system design, the Miniframe II includes all of the tools needed to configure, control and interface MediaMatrix digital audio hardware with analog and CobraNet audio signals, external control systems and more. With powerful functionality that lets designers build complete audio systems and intuitive end-user interface screens, MWare includes the industry's most extensive set of audio devices including mixers, routers, dynamics devices, filter sets, control and messaging playback devices and much more. The new Miniframe is built for industrial applications and includes a rugged 2U rack mount chassis and heavy-duty power supply specially designed for professional use. Advanced DSP algorithms, powerful software functionality, network control, system management and sophisticated DSP diagnostic tools are trademarks of all MediaMatrix audio products.

FEATURES

- Integrated system controller
- Genuine Intel CPU
- SD RAM memory
- MWare 3.x System Design Software
- Integrated VGA video
- ATAPI CD-ROM
- 10/100 network interface port
- Universal Voltage power supplies
- Windows® 2000 Professional OS
- RS-232 COM port
- Dual USB ports
- Analog and CobraNet audio I/O options

CONFIGURATIONS

MF 180R - 4 DSPs, 32x32 I/O. Supports up to 4 MM-8802 breakout boxes.

MF 280R - 8 DSPs, 64x64 I/O. Supports up to 8 MM-8802 breakout boxes.

MF 180C - 4 DSPs, 32x32 CobraNet I/O. Supports up to 8 CAB Series breakout boxes.

MF 280B - 8 DSPs, 32x32 analog and 32x32 CobraNet I/O. Supports 4 MM-8802 & up to 8 CAB Series breakout boxes.

MF 280C - 8 DSPs, 64x64 CobraNet I/O. Supports up to 16 CAB Series breakout boxes.

SPECIFICATIONS

Connections: PS2 mouse, keyboard, VGA video. RJ-45 included for 10/100 Ethernet, DB-9 and DB-25 for serial and parallel connectivity. Standard USB ports included. Audio connections vary based on DPU compliment. IEC power connector, game port, audio I/O, RJ-45 LAN.

System control board: Intel Pentium III/Celeron 850 Mhz Socket 370 w/ VIA C3 Processor, Chip set VIA PLE133TV8601T chipset (552 BGA), FSB @100 Mhz

Video: Integrated Trident Blade 2D/3D video accelerator -PCI Advanced high performance memory controller

Memory: 128MB PC133 SDRAM, PC2001 compliant, 4x memory banks using two 168-pin unbuffered DIMM, max 1GB (32M x 8), 3.3v SDRAM DIMM

Front Side Bus: 100 Mhz

Cache: 512 kilobytes

Bus: 32 bit PCI, supports 3.3V/5V PCI Bus Interface, ISA for audio processing cards

Storage Bus: IDE controller provides IDE HDD/CD-ROM with PIO, Bus Master and Ultra DMA 33/66/100 operation modes

Peripherals: 1x FDD, 1x CD-ROM, 1x 20GB EIDE ATA 133, 7200 RPM HDD

BIOS: Phoenix Bios D686(1998) Plug & Play

Mechanical: Micro-ATX, 24.5cm(L) x 21cm(W)

Controls: Front door lock, keyboard lock, power switch, power and hard drive LEDs, reset switch.

Power: 100-240VAC, 6-3A, 50-60Hz, max output power: 250W (+3.3V & +5V = 145W MAX), DC output +3.3V== 16.0A, 5V/25.0A, 12V/13.A, 5Vsb/2.0A, -5V/0.3 A,-12V/0.8A

Cooling: Ball Bearing Fan and PFC (Power Factor Correction)

Finish: Grey powder-coat, CRS, Chem-film components

Furnished Accessories: Detachable AC power cord, door and keyboard lock keys, rack-mount kit, Microsoft Windows 2000 Professional CD, Video and LAN drivers.

Audio Processing: MM-DSP Miniframe digital audio processing cards, one or two provided, varies with configuration.

Audio I/O: Varies with configuration, supports up to 64x64 I/O analog, CobraNet or both.

Included Software: MWare 3.x audio configuration and control software.

Dimensions: 3.5" H x 17" W x 22" D

Weight: 22 lbs. (Varies with configuration)

Mounting: 2U EIA rack mount

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

Audio Processing Frame

The audio processing frame shall be an integrated hardware/software system and shall include functionality for a configurable signal flow, customized user interface graphics and integral control. The audio processing frame shall include a stand alone Intel Pentium III or Celeron class CPU, at least 128MB SDRAM memory and a minimum of 20G of hard disk storage. The audio processing frame shall operate with a 32 bit operating system, such as Windows 2000, XP or higher. The host CPU and associated communications shall support up to 133Mhz clock speeds and include an integral PCI bus. Support for IDE Ultra DMA operational mode shall be included. The audio processing frame shall include one or more stand-alone digital audio processing cards which operate independently from the host CPU computer. The audio processing cards shall include a separate audio bus, not associated with ISA, PCI or other computer communications busses. The audio bus shall support up to 256 bi-directional 20 bit digital audio channels. Each processing card shall include at least 4 host DSP chips operating on the Motorola 56K Series platform and shall include support for compiling customized audio algorithms from the host computer. These audio algorithms shall be designed for maximum efficiency and shall include provisions for simultaneous on-screen, serial and hard-wired external control. A stand-alone control client with an unlimited user license shall be included. The control client shall operate under any 32 bit Windows operating system via TCP/IP and shall provide configurable control and customizable user interfaces for each installed client. The audio processing cards shall be available with analog and/or Ethernet audio transports and shall include support for up to 32 analog audio inputs and 32 analog audio outputs simultaneously per card. The Ethernet transport options shall include support for up to 32 simultaneous CobraNet audio inputs and outputs. The audio processing frame shall be housed in a 2U industrial rack-mount package and shall include integral forced-air cooling. The audio processing frame shall be the Peavey MediaMatrix Miniframe II Series 180R, 180C, 280R, 280C or 280B model.

MediaMatrix®

Design by WR

80305068

MediaMatrix®
A Division of Peavey Electronics Corp.
711 A St., Meridian, Mississippi 39301
601-483-9548
http://mediamatrix.peavey.com