



AEM-22

ORDER NO. S21900-10

The digital audio processor AEM-22 is an Audio Extension Matrix with advanced features and can be used to expand MILO PAVA systems.

DESCRIPTION :

The AEM-22 is a flexible matrix with 4 balanced audio ports which can be configured as inputs or outputs to meet the needs of the installation: (2x2), (4x0) or (0x4). The AEM-22 features Audio over IP using the COBRANET[®] protocol and includes a redundant Ethernet interface, allowing design distributed audio systems. Adding 3rd party optical fibre converters allow to send and receive audio and data over large distances.

The AEM-22 features an integrated Digital Signal Processor (DSP), including parametric equalization, filters, compressor, level control and more.

The AEM-22 is ideal for networked emergency purposes and only occupies 1U height & half of a rack space width and allows to unite two AEM-22 units occupying 1U rack height.

FEATURES :

- Digital Audio Matrix of 2x2 I/O (optional configuration in factory)
- Audio over IP using COBRANET[®] protocol – 48KHz/24bits.
- High performance DSP
- Analog gain control for each channel, improving signal/noise ratio.
- Remote and local configuration.
- Remote and local supervision.
- Graphic interface for remote configuration, easy to operate.
- 12V Phantom power supply for microphones.

TECHNICAL SPECIFICATIONS

Model	AEM-22
Power Supply	110 - 240V ~ 50/60 Hz
Power consumption	<20W
Phantom power supply	12V (configurable for all inputs)
Frequency response I/O	20Hz-20kHz +/-0,05dB
Input sensitivity	1Vp, 0,707Vrms
Audio input/output	Analog, balanced
Sensitivity adjustment	+20dB / 0dB / -10dB
S/N ratio	>94dB @1Vrms
Audio Connectors	Euroblock connector
DSP Resolution	48kHz, 24bits
GPIO	16 I/O configurable TTL 5V
Ethernet & Cobranet Interface	2 x RJ-45. Redundant
Attenuator override output	24V/50mA, Monitored and protected
Weight	1Kg
Dimensions	218 x 153 x 42mm (WxDxH) 1U height, ½ rack space width

