ADAM-M

Matrix Intercom

Reengineered with the latest design and technology, the ADAM-M Matrix Intercom bridges legacy with innovation.

The sleek re-design provides 128+ ports in an extremely compact 3RU (rack unit) package, with full redundancy on the master controllers and power supplies. The Matrix frame supports all current ADAM cards, including AIO-16, RVON-16, MADI-16 Plus, DBX, TriBus and MCII-e controllers. It also supports existing ADAM wiring schemes and options.

Built for the entire world and the REAL world, the chassis plugs and plays anywhere, running on 90-264VAC at 50/6Hz.

The chassis is built with improved low noise cooling, hot-swappable components (including cooling modules), and improved status reporting.

Features

Port Density
The ADAM-M supports 128+ ports in a 3RU unit, giving more functionality with less rack space used.

Redundant Master Controllers
Every ADAM-M is equipped with two (2) master controllers that are fully redundant to each other, so if one fails the other will take over until the failed controller can be brought back online.

Power System
The ADAM-M has two fully redundant, hot-swappable power supplies that work from 90-264VAC, 50/60Hz with low noise cooling and advanced status reporting capabilities. UL, CSA, CE, VDE, FCC and PSE approved.

Compatibility Bridging with Past and Future
The ADAM-M supports existing legacy products, such as the AIO-16, RVON-16, MCII-e, Tribus, DBX, and MADI, as well as our next generation of cards.

Extended Back Card Capabilities
The ADAM-M includes provisions for expanded back cards to increase wiring options and simplicity.

Integration/Expansion
The ADAM-M, utilizing existing cables and bus expanders, integrates and expands existing intercom systems into larger systems with minimal effort.

Hot Swappable Components
Not only are the I/O cards in the ADAM-M hot-swappable, but the power supplies and fans are completely removable, making replacement and maintenance easier than ever.

ADAM-M Specifications

General

Matrix Size: 16-128 ports, frame cascadable up to 1000 ports

Cards Supported

AIO-16: 16 Analog ports with individual, bi-directional data

15Hz to 20kHz, >90dB A-weighted S/N

MADI-16 Plus: 16 to 64 channels of MADI

RVON-16: 16 VoIP ports supporting G.711, G.729A, and G.723

DBX: Dual Bus Expander for linking between ADAM-M and other ADAM frames.

Tri-Bus: Triple Bus Expander for linking between ADAM-M and other ADAM frames.

MCII-e: Ethernet Master Controllers in redundant configuration.

Electrical

Universal PSU 90V to 264V 50/60Hz

Environmental

Temperature

Operating: 0°C to +50°C (+32°F to +122°F)

Storage: -40°C to +55°C (-40°F to +131°F)

Humidity: 0 to 95% non-condensing

Dimensions

Height: 5.25" (133.35mm) 3RU

Width (frame with rack ears): 19" (482.6mm)

Depth: ≤20" (508mm)

Weight: 27.6lbs(12.519kg) — no cards installed

Approvals

UL, CSA, CE, VDE, FCC, and PSE

Ordering Information

ADAM-M
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