ADAM

Advanced Digital Audio Matrix

The RTS family of Digital Intercom Matrices is the most extensive, widely used, scalable and backwards compatible line of intercoms in the world today. The high-end ADAM Matrix supports eight (8) to 880 users per system; 272 ports possible in just a seven (7) **RU** (Rack Units) frame.

Utilizing a patented **TDM** (Time Division Multiplex) technique, the ADAM grows linearly as users are added. The system comes standard with redundant power supplies, and suports redundant controllers, allowing for automatic change-over in the event of failure.

ADAM is available with a wide variety of Interface cards in the industry, which includes the MADI-16, OMI, AIO-16, AES-3, and RVON VoIP interfaces. It also has the wide variety of cabling options, including RJ-11, RJ-45, DB-9, jack fields, and many others.
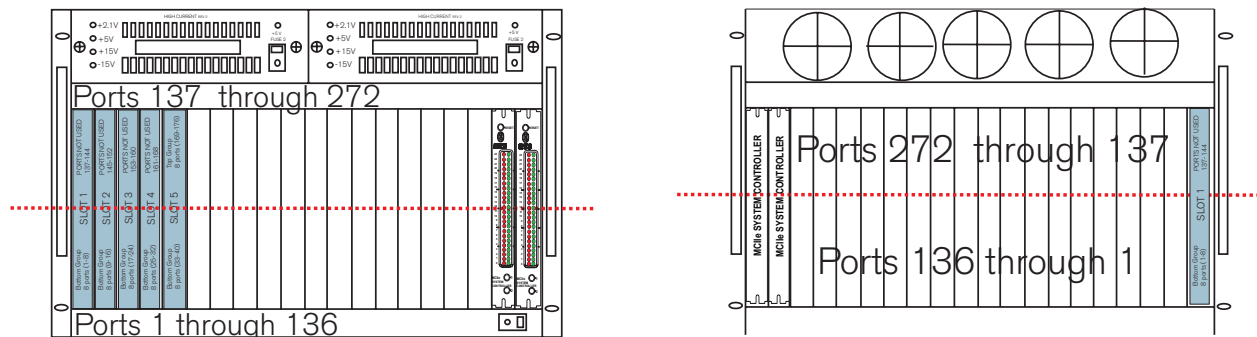
With its second generation controller card, Ethernet connectivity is acheived between the ADAM Intercom and AZedit. ADAM can support 32 simultaneous AZedit sessions.

Features

- Individual cross-point level controls.

- Non-volatile configuration and crosspoint memory.

- Real-time, online configuration and monitoring.

- RTS **UPL** (User Programmable Language) for custom system configurations via pull down menus.

- Eight (8) GPIOs standard per frame, may be increased up to 256.

- Multi-level IFB, ISO, Party-Lines, Groups, and GPI's all standard.

- Dual purpose ports support both keypanel and 4-wire audio.

- Sizes from eight (8) to 880 users.

- Integrated support for RTS Intelligent Trunking of 32 matrices (ADAM-M, ADAM, ADAM-CS, Cronus, and Zeus III).

- Compatible with ALL current and legacy RTS keypanels and accessories.

- Supports custom cards for widely used industry interface.

Line Drawing

Specifications

General

Matrix Size: 8–272 ports, eight (8) frames cascadable

Matrix Type: Digital Audio,

TDM Bus Signal Format: 44.1kHz, 24-Bit

Audio Levels: +8dBu nominal, +21dBu max (adjustable ± 20dB by user)

Frequency Response at 21dBu: Within ±1dB from 15Hz to 20kHz

S/N Ratio: SNR with 21dBu signal output (A-weighted): 84dB (typ.) / 81dB (min.)

THD+N<0.007% at 21dBu, 1kHz (unweighted)

Trunking: RTS Intelligent Trunking

Input Impedance: 22kΩ Output

Impedance: 600Ω

Operating Temperature Range: 0ºC to +50ºC (32ºF to 122ºF)

Storage Temperature Range: -40ºC to +70ºC (-40ºF to 158ºF)

Matrix Frame: 7RU (12¼") H, 19" EIA Rack, 20" D

Power Consumption (with AIO-16 & two (2) MCIIe): 85VA @ 120VAC, 85VA @ 220VAC

Order Information

ADAMFRAME-110V • ADAM • ADAM Frame 110V
90007500005 • ADAM • ADAM Frame 220V

RTS

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