

## ADAM

### Advanced Digital Audio Matrix

The RTS family of Digital Intercom Matrices is the most extensive, most widely used, and most scalable and backwards compatible line of intercoms in the world today. The high-end ADAM Matrix supports 8 to 1000+ users per system; 272 ports possible in just a 7 RU frame.

Utilizing a patented Time Division Multiplex (TDM) technique, the ADAM grows linearly as users are added, the system comes standard with redundant power supplies, and 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 AIO-8, AIO-16, AES-3, and RVON VoIP interfaces. It also has the wide variety of cabling options, including RJ-11, DB-9, jack fields, and many others.

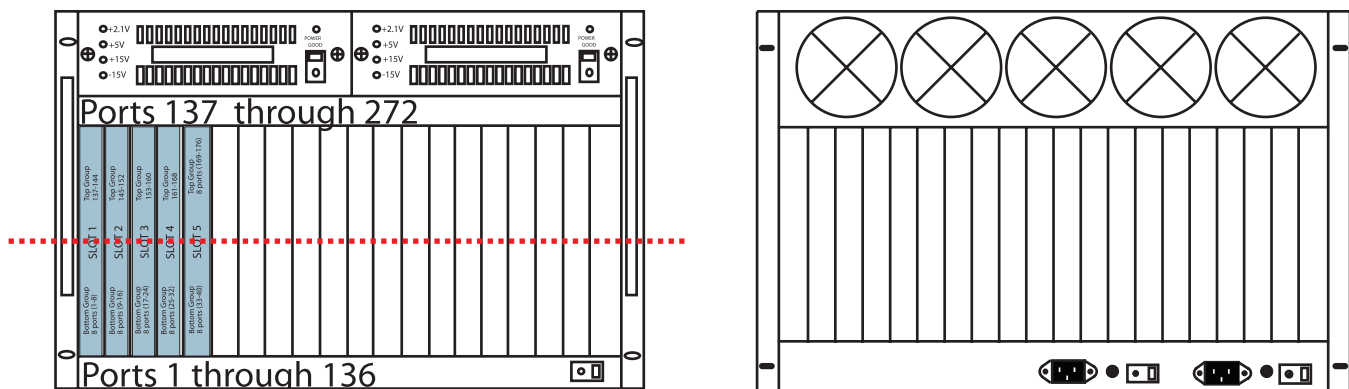
With its NEW 2nd generation controller card, it allows Ethernet connectivity between the ADAM Intercom and the PC running AZedit and it can support 32 simultaneous AZedit sessions.

## 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.
- 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 8 to 1,000+ users
- Integrated support for RTS Intelligent Trunking of 31 matrices (ADAM, ADAM-CS, Cronus, and Zeus II).
- Compatible with ALL current and legacy RTS keypanels and accessories.
- Supports custom cards for widely used industry interface

## Line Drawing



# ADAM Specifications

## General

Matrix Size: 8 - 272 ports, 4 frames cascadable

Matrix Type: Digital Audio,

TDM Bus Signal Format: 44.1 kHz, 24-bit

Audio Levels: +8 dBu nominal, +20 dBu max (adjustable  $\pm 20$  dB by user)

Frequency Response at 20 dBu: Within  $\pm 1$ dB from 15 Hz to 20 kHz

S/N Ratio: >85 dB A-weighted at 22 dBu

THD+N < 0.005% at 22 dBu, 1 kHz (unweighted)

Trunking: RTS Intelligent Trunking

Input Impedance: 22K $\Omega$  Output

Impedance: 600 $\Omega$

Operating Temp Range: 0°C to +70°C

Storage Temperature Range: -50°C to + 125°C

## Redundancy Power / Control Functionality

Matrix Frame: 7 RU (12 $\frac{1}{4}$ " high, 19" EIA Rack, 20" deep

Power: 110V or 230V  $\pm 10\%$  version available, 50/60 Hz, 1000VA maximum

## Contact Information

Telex Communications, Inc.  
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## Ordering Information

**ADAM**  
Advanced Digital Audio Matrix  
Catalog Number: ADAM

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