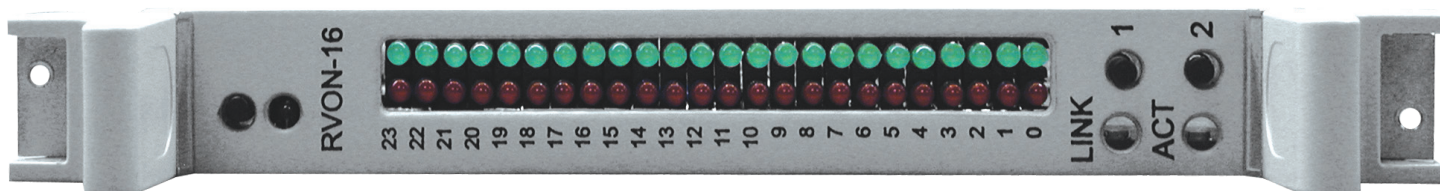# RTS

RVON-16

VoIP Card

The RVON-16 is installed into the ADAM Intercom frame and provides **VoIP (**Voice over Internet Protocol) communications for the RTS ADAM Intercom product family. The RVON-16 is an integrated solution for connecting keypanels to the Intercom matrix over standard IP networks by supporting 16 channels of audio in and out, as well as data.

The RVON-16 is a hot swappable card which supports all configurable options through RTS' RVONedit VoIP configuration software. The card is also configurable through RTS' AZedit Intercom configuration software. The RVON-16 also supports remote keypanels, audio connections between matrix frames via RVON-16, RVON-8, or RVON-I/O as well as virtual keypanels via VoIP. It has two (2) DB-9 serial connections for RS-232 or RS-485 pass-thru port connections.

RVON-16 also supports RTS Intelligent Trunking over IP. Trunking is a method of using minimal audio paths for a large number of users. Because it is flexible, a trunked system can expand along with your business to accommodate a growing number of users. RTS' intelligent trunking is a proven technology, which provides the same capabilities and ease of use for Intercoms and the seamless routing of communications between facilities, regardless of distance.

Features

- The RVON-16 is hot-swappable and installs into any available slot in an ADAM Intercom system. It provides a single RJ-45 Ethernet connection for use with a 10 BASE-T or 100 BASE-TX network. It also has two (2) DB-9 serial connections for RS-232 or RS-485 pass-thru port connections.

- 16 Channels of audio in and out expands the connectivity of the ADAM Intercom and RVON-8 card by supporting 16 channels of audio in and out. Each channel has configurable network and bandwidth parameters which can be configured to individual network functions, as well as, ancillary data for keypanels and trunking control.

- The RVON-16 card uses standard Ethernet protocols and is compatible with all Ethernet compliant devices and networks.

- Using AZedit configuration software, users have the ability to adjust the audio parameters of each RVON-16 channel to optimize the available bandwidth on the network.

- Using RVONedit, you can set Ethernet auto-negotiation parameters, view multiple RVON-16 devices simultaneously, and view all RVON-16 devices independent of the frame in which they are located.

- The RVON-16 supports ancillary data control or use with RTS Intelligent Trunking.

- 16 individually addressable audio channels. The RVON-16 can simultaneously feed VoIP capable keypanels, as well as various other matrix Intercom systems.

Specifications

Connections

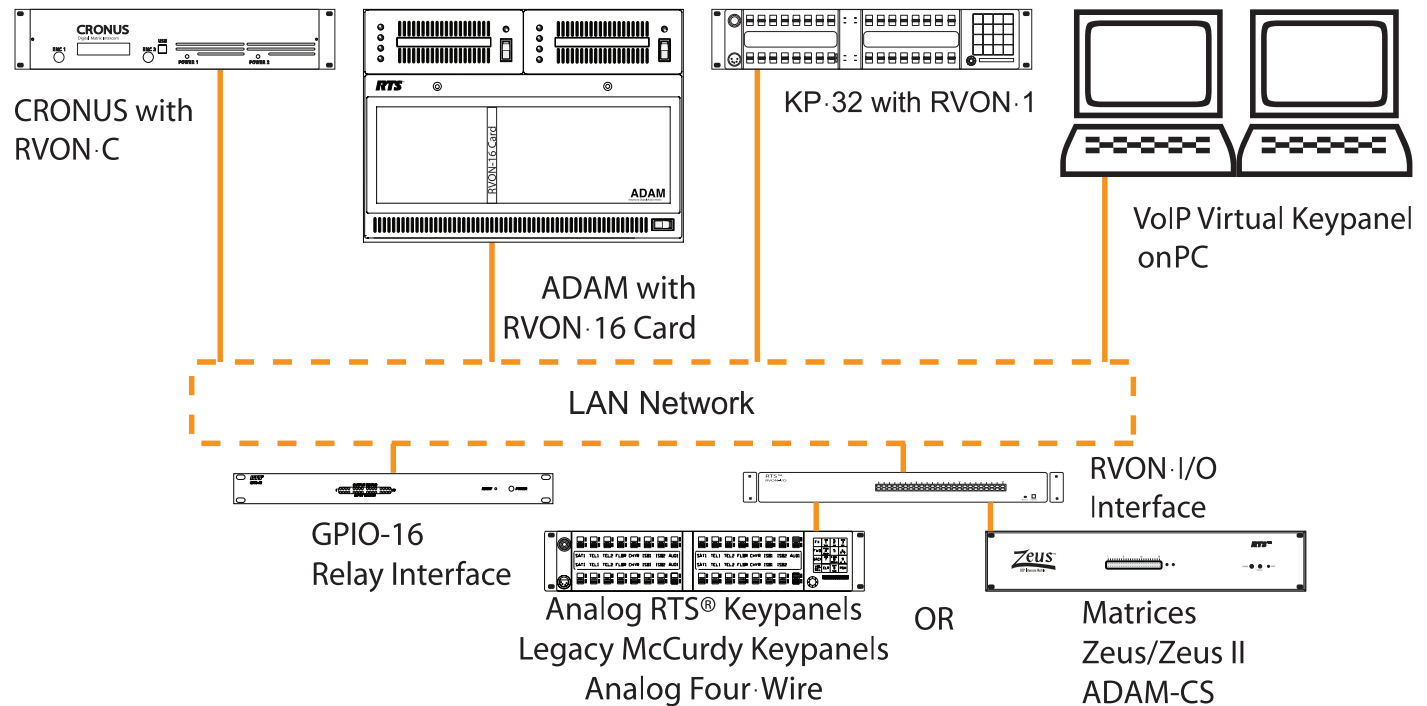1-RJ-45 Ethernet via backcard

2-DB-9 serial port via backcard

Physical

5.687" W x 11.024" L

Digital

Compression	Bit Rate	Coding Delay	Playout Delay	Bandwidth	Sample Rate
G.711	64K	125µs	20–60ms	160–224kbps	8k
G.729	8K	10ms	20–120ms	32–112kbps	8k
G.723	5.3K/6.3K	30ms	60–120ms	29–45kbps	8k
*Data Rate depends on Codec Selection					

Note: The Playout Delay and Bandwidth depends on the configured amount of audio per packet.

System Example

CRONUS with RVON·C

ADAM with RVON·16 Card

KP·32 with RVON·1

VoIP Virtual Keypanel onPC

LAN Network

GPIO-16 Relay Interface

Analog RTS® Keypanels
Legacy McCurdy Keypanels
Analog Four·Wire

OR

RVON·I/O Interface

Matrices
Zeus/Zeus II
ADAM-CS

Order Information

RVON-16 • RVON-16 • VoIP Card

The specification information is preliminary and is subject to change without notification.
Brand names mentioned are the property of their respective companies.

RTS

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