

RVON-16

VoIP Card

The RVON-16 is installed into the ADAM intercom frame and provides Voice over IP 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 also has two 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

Installation

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 a configurable network and bandwidth parameters which can be configured to individual network functions, as well as, ancillary data for keypanels and trunking control.

Ethernet Compatible

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

Software Configurations

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.

At an additional cost, the RVONedit software, which has expanded configuration functionality, is available. 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.

Trunk Capable

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

Addressing

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

RVON-16 Specifications

Digital

Compression	Bit Rate	Coding Delay	Playout Delay	Bandwidth	Sample Rate
G.711	64 K	125 μ s	20-60 ms	160-224 kbps	8k
G.729	8 K	10 ms	20-120 ms	32 112 kbps	8k
G.723	5.3 K / 6.3 K	30 ms	60-120 ms	29-45 kbps	8k

*Data Rate depends on Codec Selection

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

Connections

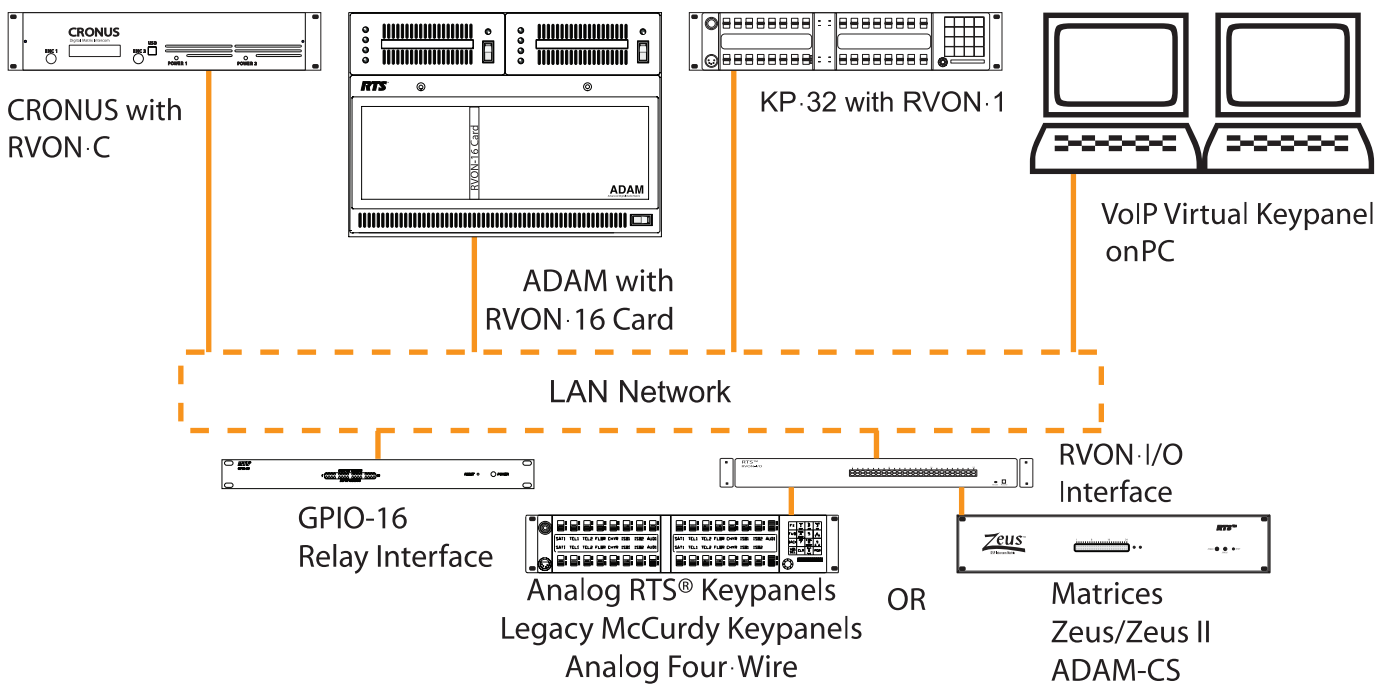
1-RJ-45 Ethernet via Backcard

2-DB-9 Serial Port via Backcard

Physical

5.687" W x 11.024" L

System Example



Ordering Information

RVON-16

VoIP Card

Catalog Number: 90007848000

This specifications information is preliminary and is subject to change without notification.

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