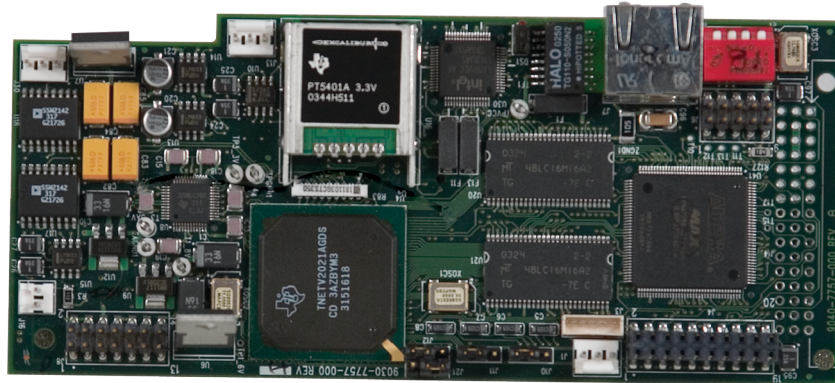




## RVON-1

### Single-Port VoIP via Ethernet Keypanel Interface Option Card Kit

Installed directly into KP-32 or KP-812 keypanels, the RVON-1 provides voice over IP (Internet Protocol) communications for the RTS® ADAM intercom family. In general, voice over IP means sending voice information in digital form using discrete packets rather than the traditional hardwire connection. The RVON-1 delivers an integrated solution for connecting keypanels to the Intercom matrix over standard IP networks.

The RVON-1 is compatible with any RTS® Matrix Intercom system equipped with a suitable RVON interface. In conjunction with any new or existing KP-32 or KP-812 keypanel, the RVON-1 brings a new level of enterprise-wide and remote access functionality to your RTS® Matrix Intercom.

The RVON-1 card is configurable through the keypanel service menu and Telex®'s AZedit configuration software. It is also fully compatible with internationally recognized standards and supports the following protocols: G.711, G.729 A & B, and G.723 (2 bit rates).

The RVON-1 reaffirms RTS®' history of providing support for the latest technology in a fully supported backward compatible manner to all its RTS® products.

## Features

### Installation

The RVON-1 provides a single RJ-45 Ethernet connection for use with a 10 BASE-T or 100 BASE-TX network.

### 1 Channel of Audio In and Out

The RVON-1 card supports one channel in and out and has configurable network and bandwidth parameters that can be tailored to individual network functions.

### Ethernet Compatible

The RVON-1 card uses standard Ethernet protocols and is compatible with 10 BASE-T and 100 BASE-TX Ethernet compliant devices and networks.

### AZedit Configurations

Users have the ability to adjust the audio parameters of the RVON-1 channel to optimize the available bandwidth.

### Swappable Between Ethernet and AIO Connection

When connected to an Ethernet LAN, audio comes from the RVON 1 card; and, when an Ethernet link is not present, the audio comes from the AIO connection.

# RVON-1 Specifications

## Digital

| Compression | Audio Bit Rate | Coding Delay | Playout Delay | IP Bandwidth |
|-------------|----------------|--------------|---------------|--------------|
| G.711       | 64k            | 125µs        | 20-60ms       | 160-224 kbps |
| G.729 A & B | 8k             | 10ms         | 20-120ms      | 32-112 kbps  |
| G.723       | 5.3k/6.3k      | 30ms         | 60-120ms      | 29-45 kbps   |

## Connections

RJ-45 Ethernet via backcard

14-pin KP Compatible Expansion Connector

Pin 1: 5 Volt Analog; Pin 2: -12 Volt; Pin 3: +12 Volt;  
Pin 4: 5 Volt Digital; Pin 5: Analog GND; Pin 6: Digital GND; Pin 7: To Matrix Audio L (-); Pin 8: NC; Pin 9: From Matrix Audio L (-); Pin 10: RS485L; Pin 11: From Matrix Audio H (+); Pin 12: NC; Pin 13: To Matrix Audio H (+); Pin 14: RS485H

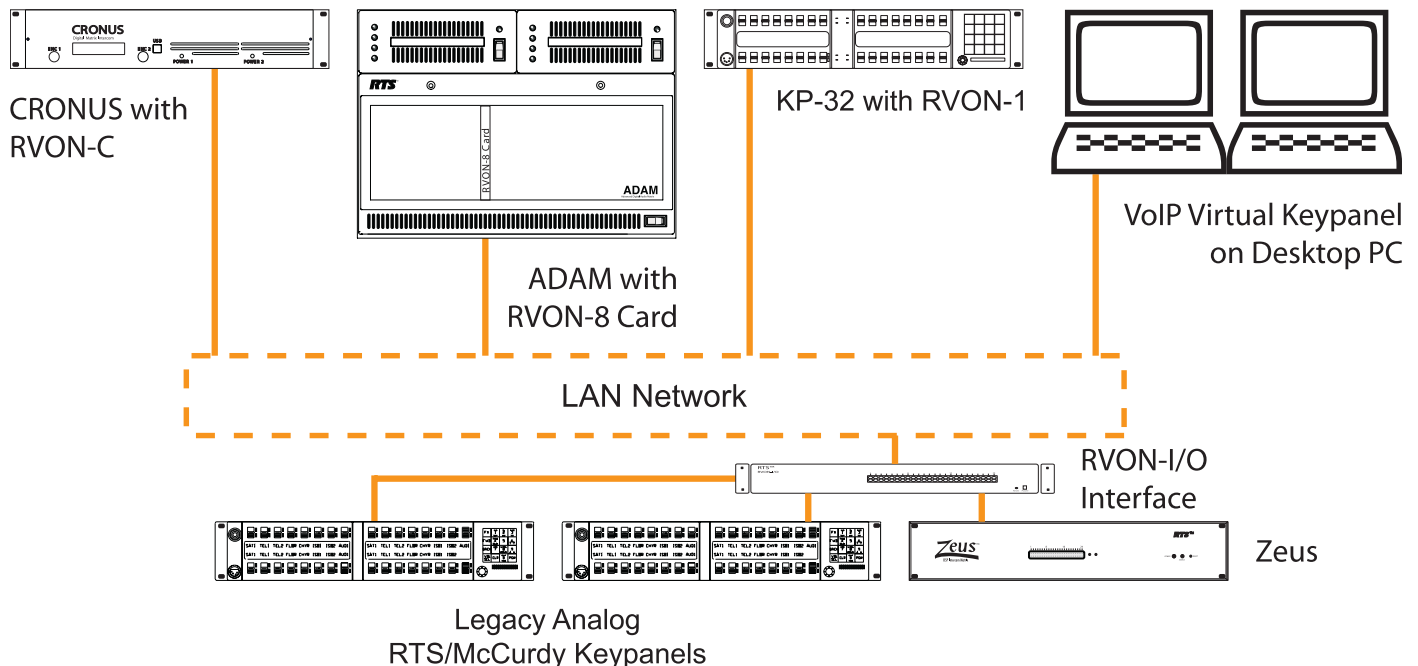
## Power

Powered internally from keypanel motherboard

## Physical

2.5"W x 5.75"L (63.5mm W X 146.05mm L)

## System Example



## Ordering Information

**RVON-1**; Single port VoIP via Ethernet keypanel interface option card kit without rear panel for KP32 series built after 1-1-2004; Catalog Number: 90027757000

**RVON-1RP**; Single port VoIP via Ethernet keypanel interface option card kit with rear panel for KP32 series built prior to 1-1-2004; Catalog Number: 90027757001

**RVON-1 Installed**; Single-Port VoIP via Ethernet Keypanel Interface Option Card Kit; Catalog Number: 90027757002

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

Brand names mentioned are the property of their respective companies.