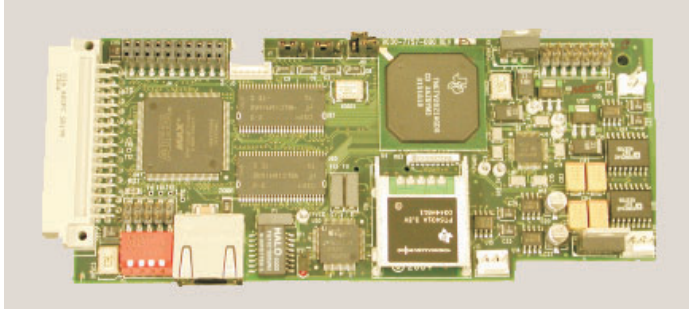


## RVON-1 VOIP Keypanel



### General Description

Installed directly into the KP-32 and KP-812 keypanels, the RVON-1 provides voice over IP (Internet Protocol) communications for the RTS™ ADAM intercom family. The RVON-1 delivers an integrated solution for connecting custom 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 (RVON-8 or RVON I/O). 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 AB, and G723 (2 speeds).

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 on the network.

### For Ordering Information

Telex Communications, Inc.  
12000 Portland Ave. South  
Burnsville, MN 55337  
U.S.A.

Telephone: 800-392-3497  
Fax: 800-323-0498

## Specifications

### Digital

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

\*Data Rate Depends on Codec Selection

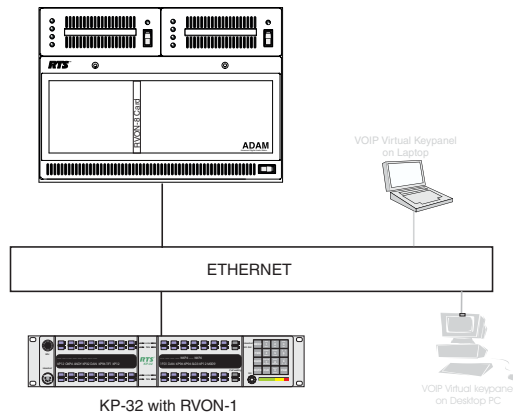
**Note:** The Playout Delay and Bandwidth depend on the configured amount of audio per packet. The bandwidth values are for bi-directional audio without VAD (Voice Activity Detection) enabled.

### Connections

- RJ-45 Ethernet
- 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 ..... RS485 L
  - Pin 11 ..... From Matrix Audio H
  - Pin 12 ..... NC
  - Pin 13 ..... To Matrix Audio H
  - Pin 14 ..... RS485 H

Power ..... Powered internally from keypanel motherboard  
 Physical ..... 2.5" x 5.75"

## System Diagram



## Warranty

Products are warranted by Telex Communications, Inc. to be free from defects in materials and workmanship for a period of three years from the date of sale.

The sole obligation of Telex during the warranty period is to provide, without charge, parts and labor necessary to remedy covered defects appearing in products returned prepaid to Telex. This warranty does not cover any defect, malfunction or failure caused beyond the control of Telex, including unreasonable or negligent operation, abuse, accident, failure to follow instructions in the manual, defective or improper associated equipment, attempts at modification and repair not authorized by Telex, and shipping damage.

To obtain warranty service, follow the procedures entitled "Procedure for Returns" and "Shipping to Manufacturer for Repair or Adjustment".

This warranty is the sole and exclusive express warranty given with respect to RTS products. It is the responsibility of the user to determine before purchase that this product is suitable for the user's intended purpose.

ANY AND ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

NEITHER TELEX NOR THE DEALER WHO SELLS TELEX PRODUCTS IS LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.