

DESCRIPTION

Coupled with the same VOIP technology used with the RVON-8, the RVON-I/O takes legacy analog audio and converts it to digital VOIP audio. By being able to convert legacy analog audio systems to digital VOIP audio the RVON-I/O expands the boundaries of digital audio to include analog. There are many applications in which the RVON-I/O can be used, such as:

- The conversion from legacy analog to VOIP digital audio (and vice versa)
- Zeus™ Matrix AIO to RVON-I/O to RVON-1, RVON-8, RVON-I/O, or VOIP Virtual Keypanel
- Zeus to RVON-I/O to RVON-1, RVON-8, RVON-I/O, or VOIP Virtual Keypanel
- RVON-8 to RVON-I/O to Zeus to a keypanel.

RVON-I/O is fully compatible with following internationally recognized standards and protocols; G.711, G.729AB, and G.723.

FEATURES

Installation:

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

8 Channels of Audio In and Out:

The RVON-I/O supports with 8 channels IN and OUT and has configurable network and bandwidth parameters that can be tailored to individual network functions.

Trunk Capable:

The RVON-I/O supports ancillary data control for use with Telex® Intelligent Trunking.

Addressing:

Eight individually addressable audio channels. The RVON-I/O can feed simultaneously VOIP (voice over internet protocol) capable keypanels as well as various other matrix intercom systems.

AZedit Configurations:

The user has the ability to adjust the audio quality of the matrix intercom to the available bandwidth on the network.

Ethernet Compatible:

The RVON-I/O uses standard Ethernet protocols and is compatible with 10 BASE-T and 100 BASE-TX Ethernet compliant devices and networks

SPECIFICATIONS

CONNECTIONS

RJ-45 Ethernet
DB-9 Serial port (8 AIO channels)

DB-25 Serial Port
DB-9 Relay Port

POWER 90-240 VAC

PHYSICAL 1RU
19" (D)

DIGITAL

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

*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.

ADAM

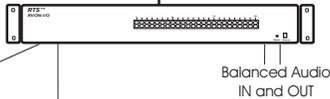
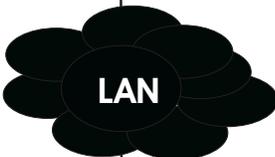
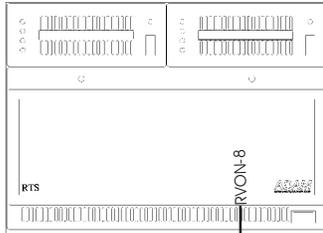
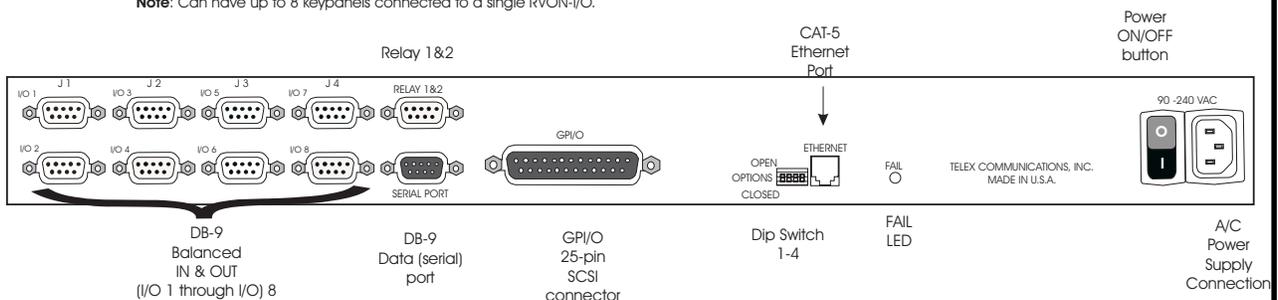


Figure 1. How the RVON-I/O works

Note: Can have up to 8 keypanels connected to a single RVON-I/O.



ORDERING INFORMATION

Model No.	Description	Catalog No
RVON-I/O	Analog (legacy) to Digital / Digital to Analog (legacy) audio conversion VOIP system	9000-7772-000
Power Supply	90-240 VAC Replaceable Power Module	532066-001

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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 listed on the Warranty card enclosed with the product.

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.

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