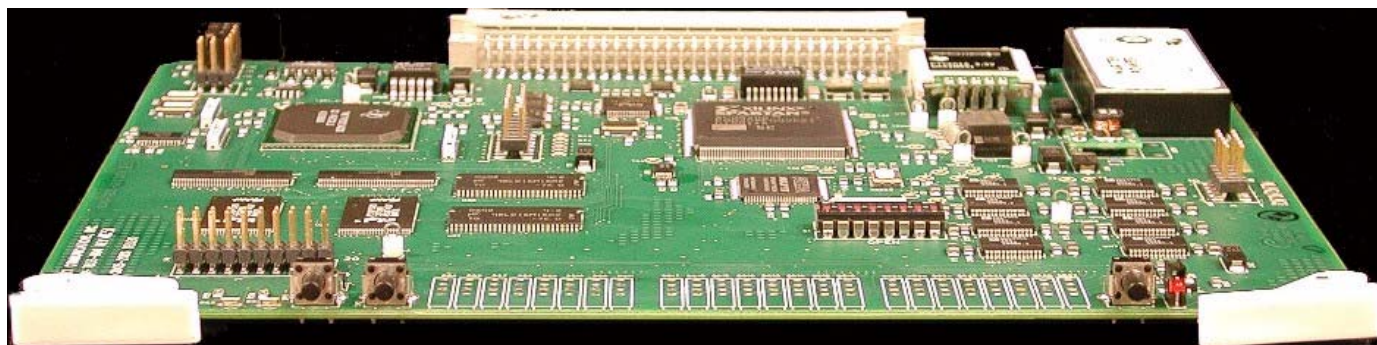# RVON-C Voice Over IP Card

Description

The RVON-C Voice Over IP card introduces all the VOIP functionality of the RVON-8 for ADAM, to the Cronus intercom system. The RVON-C converts analog audio to digital VOIP audio. Installed directly into Cronus, the RVON-C expands the connectivity to the Cronus intercom system by supporting eight channels in and out. You can have up to four (4) RVON-C cards in Cronus at one time for a total of 32 channels.

Because Cronus is 2 RU high, it is ideal for the smaller systems and truck setups. Because the capability to expand the system is built into the Master Controller, there is no need for a DBX. The Cronus systems using coaxial cable or fiber connections.

Features

- Fully ethernet capable. RVON-C uses standard ethernet protocols and is compatible with 10 BASE-T or 100 BASE-TX Ethernet compliant devices and networks.
- Eight individually addressable audio channels. The RVON-C can feed simultaneously VOIP (voice over internet protocol) capable keypanels as well as various other matrix intercom systems.
- The user has the ability to adjust the audio quality of the matrix intercom to the available bandwidth on the network through the AZedit user interface.

Specification

Digital		
Compression	Bit Rate (/sec)	Coding Delay
G.711	64K	125µs
G.723	5.3K/ 6.3K	30ms
G.729AB	8K	10ms

*Data rate depends on CODEC selection

Connections
RJ-45 Ethernet via backcard (see reverse side of sheet)
DB-9 Serial Port via backcard (see reverse side of sheet)
Power
Power ....5W Typical

Physical ....8.25"W x 6.25" L

Fully compatible with internationally recognized standards, the RVON-C supports the following protocols: G.711, G.723, and G.729AB.

Part Number	Description
9002-7835-008	RVON-C Kit
9002-7835-009	Front Card
9002-7835-010	Back Card

RJ-45 PIN	FUNCTION
1	Ethernet TPO +
2	Ethernet TPO -
3	Ethernet TPI +
4	TPO +
5	TPO -
6	Ethernet TPI -
7	TPI +
8	TPI -

DB-9 PIN	FUNCTION
1	N/A
2	RXD, RVON-C Received Data
3	TXD, RVON-C Received Data
4	N/A
5	GND
6	N/A
7	N/A
8	N/A
9	N/A

CRONUS
Digital Matrix Intercom
ENC 1   ENC 2   USB   POWER 1   POWER 2
with RVON-C

RVON-8 Card

ADAM

KP-32 with RVON-1

KP-32 with RVON-1

VOIP Virtual keypanel
on Desktop PC

LAN Network

Legacy Analog
RTS/McCurdy Keypanels

Zeus

TELEX
COMMUNICATIONS
BE HEARD