

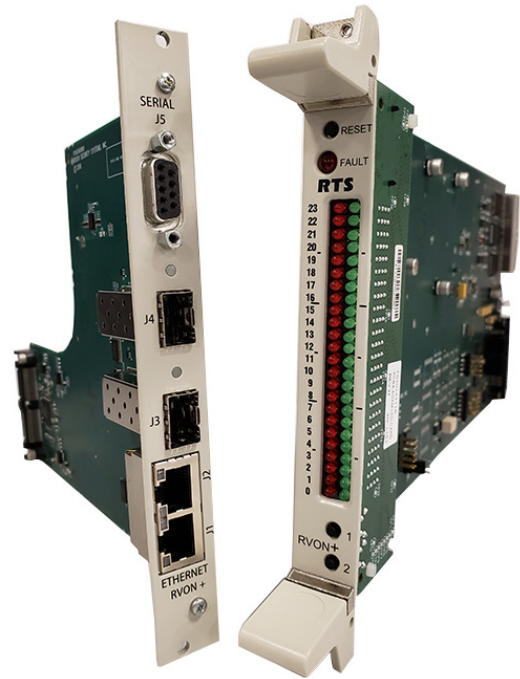
## RVON + VoIP Card

The RVON+ provides **VoIP** (Voice over Internet Protocol) communications for the RTS ADAM Intercom product family. The RVON+ is an integrated solution for connecting keypanels to the Intercom matrix over standard IP networks by supporting 16 and 32 channels of bi-directional audio, as well as keypanel data.

The RVON+ is a hot swappable card which supports all configurable options through RTS' IPedit VoIP configuration software.

The RVON + supports remote keypanels, audio connections between matrix frames via ODIN, RVON +, RVON-16, RVON-8, or RVON-I/O, as well as virtual keypanels via VoIP.

A DB-9 serial connection is available for RS-232 or RS-485 pass-thru port connections.



## Features

- 16 channels of bi-directional audio expands the connectivity of the ADAM Intercom and RVON-16 card. Each channel has configurable network and bandwidth parameters to accommodate individual network functions, as well as ancillary data for keypanels and trunking control. A purchasable upgrade option is available to expand from 16 channels to 32 channels.
- The RVON + card supports two fiber connections.
- Multiple RVON devices can be viewed simultaneously and independently of the frame in which they are located using IPedit software.
- Provides a virtual serial connection via an IP connection. Which, if used with trunking, may eliminate the need for multiple IP resources.

## Specifications

### Connections

- 2 - RJ-45 Ethernet via backcard
- 1 - DB-9 serial port via backcard
- 2 - Fiber SFP

### Physical

5.687" W x 11.024" L

### Digital

| Compression                           | Bit Rate | Coding Delay | Playout Delay | Bandwidth    | Sample Rate |
|---------------------------------------|----------|--------------|---------------|--------------|-------------|
| G.711                                 | 64 k     | 125 $\mu$ s  | 20–60ms       | 160–224 kbps | 8 k         |
| G.729AB                               | 8 k      | 10 ms        | 20–120ms      | 32–112 kbps  | 8 k         |
| G.722                                 | 64 k     | 4 ms         | 20-60 ms      | 160-224 kbps | 16 k        |
| *Data Rate depends on Codec Selection |          |              |               |              |             |

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

## Order Information

RVON+ 16-CH FC/BC • RVON+ 16 port Front/Back card kit  
 RVON+ 32-CH FC/BC • RVON+ 32 port Front/Back card kit  
 RVON+ UPGLIC16PORT • RVON+ Upgrade license 16 ports

The specification information is preliminary and is subject to change without notification.  
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