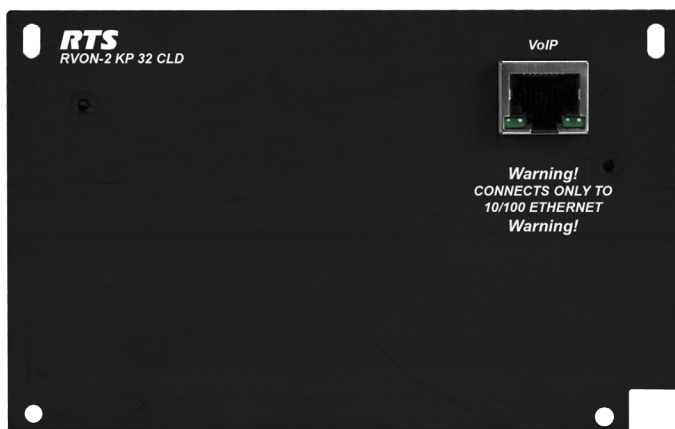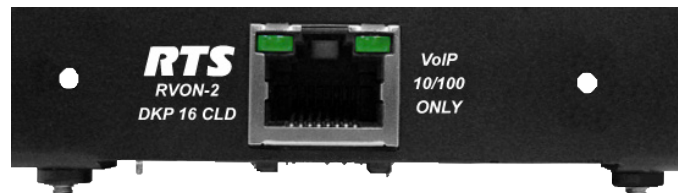## RVON-2

VoIP Interface for KP CLD Family of Keypanels

RVON-2 KP-32 CLD

VoIP Interface for KP-32 CLD

RVON-2 DKP-16 CLD

VoIP Interface for DKP-16 CLD

Installed directly into KP CLD family of keypanels, the RVON-2 provides **VoIP** (Voice over Internet Protocol) communications for the RTS ADAM Intercom family. VoIP is used to send voice information in digital form rather than the traditional analog connection. The RVON-2 delivers an integrated solution for connecting keypanels to the Intercom matrix over standard IP networks.

The RVON-2 is compatible with any RTS Intercom Matrix system equipped with a suitable RVON interface. The RVON-2 brings a new level of enterprise-wide and remote access functionality to your RTS Intercom Matrix.

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

Features

- The RVON-2 provides a single RJ-45 Ethernet connection for use with a 10 BASE-T or 100 BASE-TX network.

- The RVON-2 card supports two (2) channels in and out and has configurable network and bandwidth parameters that can be tailored to individual network functions.

- The RVON-2 card uses standard Ethernet protocols and is compatible with 10 BASE-T and 100 BASE-TX Ethernet compliant devices and networks.

- With the RVON-2 option card installed in the CLD family of keypanels, you can have up to two (2) additional full-duplex, audio channels that can be mixed with audio in the CLD keypanel. RVON channel 1 can be used for either the matrix connection or as an Aux Input/Output.

Specifications

Connections

RJ-45 Ethernet via backcard 20-pin KP Compatible Expansion Connector.

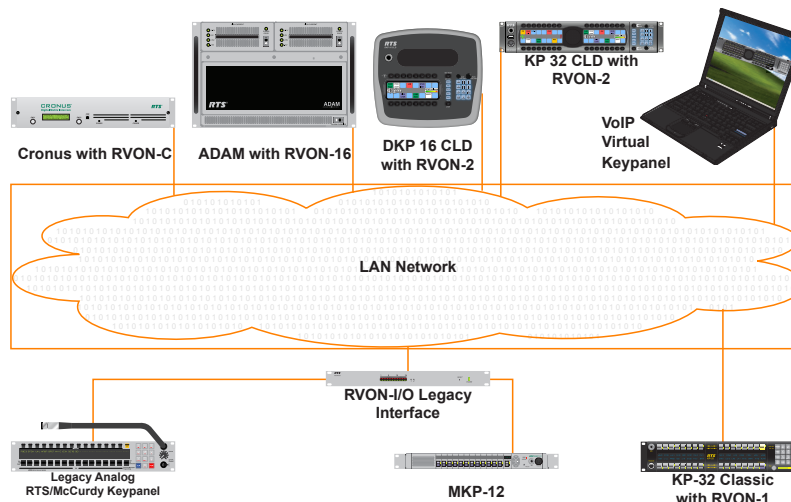| PIN		PIN	
1	Option RS-232 from KP	11	Option Audio from KP
2	Option RS-232 to KP	12	Option Audio to KP
3	Option Card ID 0	13	+5V
4	Option Card ID 2	14	DGND
5	Option Card ID 1	15	3.3V
6	Option TX FS	16	DGND
7	Option RX FS	17	3.3V
8	Option Audio Clock	18	DGND
9	+5V	19	DGND
10	Option Reset_N	20	DGND

Power

Powered internally from keypanel motherboard.

Digital

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

The RVON-2 interfaces work exclusively with CLD series keypanels.

System Example

Cronus with RVON-C   ADAM with RVON-16   DKP 16 CLD with RVON-2   KP 32 CLD with RVON-2

VoIP Virtual Keypanel

LAN Network

RVON-I/O Legacy Interface

Legacy Analog RTS/McCurdy Keypanel

MKP-12

KP-32 Classic with RVON-1

Order Information

RVON-2-KP32CLD • RVON-2 KP 32 CLD • VoIP Interface for KP 32 CLD
RVON-2-DKP16CLD • RVON-2 DKP 16 CLD • VoIP Interface for DKP 16 CLD

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

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