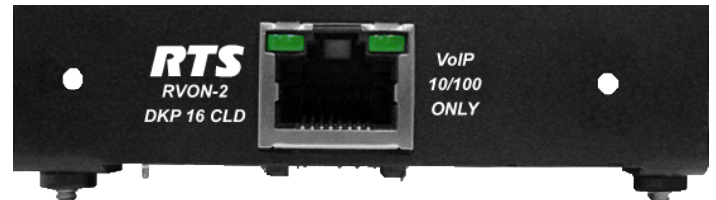




RVON-2 KP 32 CLD
VoIP Interface for KP 32 CLD



RVON-2 DKP 16 CLD
VoIP Interface for DKP 16 CLD

Installed directly into KP CLD family of keypanels, the RVON-2 provides voice over IP (Internet Protocol) communications for the RTS ADAM intercom family. In general, voice over IP means sending voice information in digital form using discrete packets rather than the traditional hardwire 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 Matrix Intercom system equipped with a suitable RVON interface. In conjunction with any new or existing KP CLD family of keypanels, the RVON-2 brings a new level of enterprise-wide and remote access functionality to your RTS Matrix Intercom.

The RVON-2 card is configurable through the keypanel service menu and RTS' AZedit 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

Installation

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

2 Channels of Audio In and Out

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

Ethernet Compatible

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

Connection

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. However, it cannot be used as both at the same time.

RVON-2 Specifications

Digital

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

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

Connections

RJ-45 Ethernet via backcard

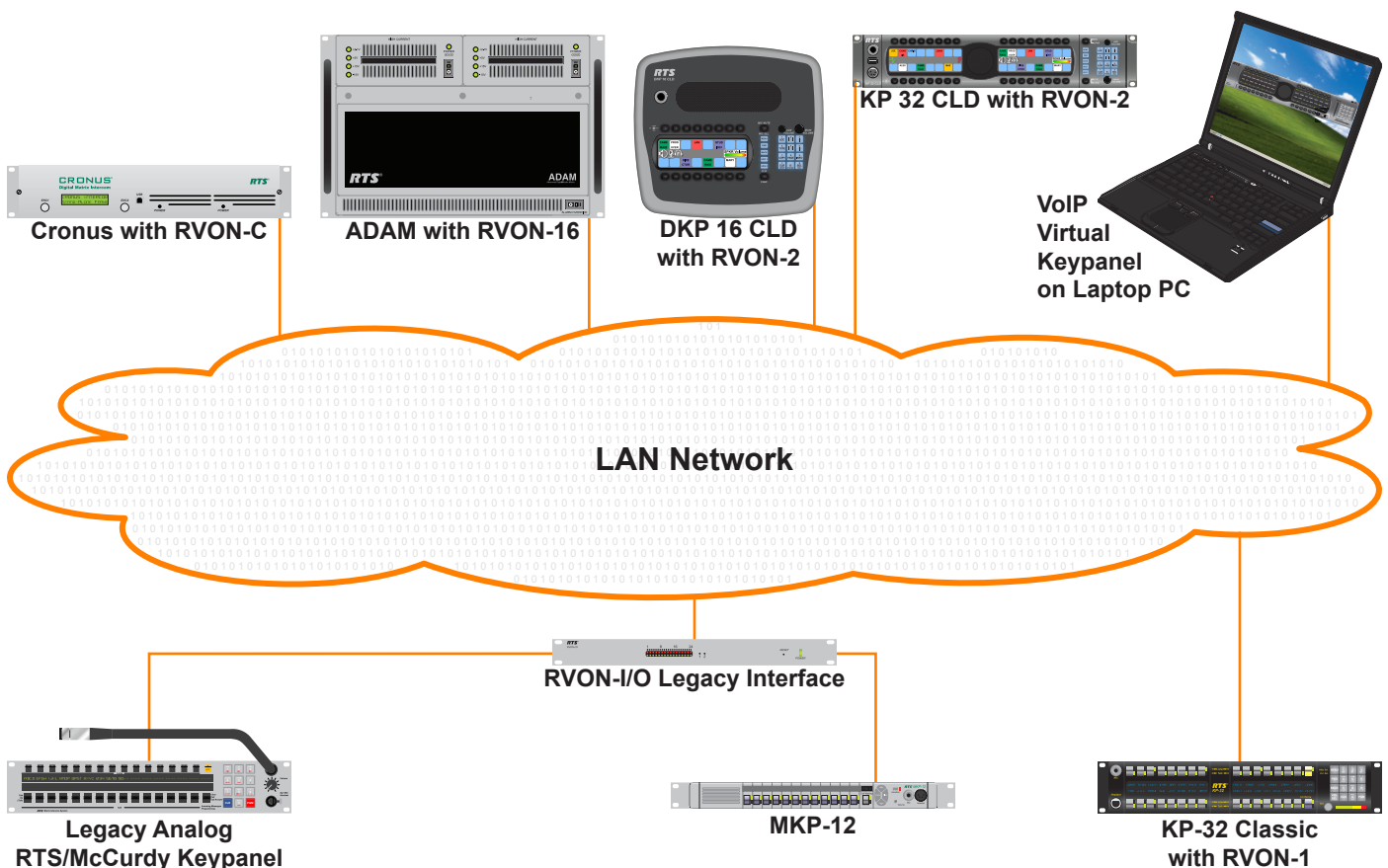
20-pin KP Compatible Expansion Connector

Pin 1: Option RS232 from KP; *Pin 2:* Option RS232 to KP; *Pin 3:* Option Card ID 0; *Pin 4:* Option Card ID 2; *Pin 5:* Option Card ID 1; *Pin 6:* Option TX FS; *Pin 7:* Option RX FS; *Pin 8:* Option Audio Clock; *Pin 9:* +5V; *Pin 10:* Option Reset_N; *Pin 11:* Option Audio from KP; *Pin 12:* Option Audio to KP; *Pin 13:* +5V; *Pin 14:* DGND; *Pin 15:* 3.3V; *Pin 16:* DGND; *Pin 17:* 3.3V; *Pin 18:* DGND; *Pin 19:* DGND; *Pin 20:* DGND

Power

Powered internally from keypanel motherboard

System Example



Contact Information

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Fax: (800) 323-0498

Form Number: LIT000377000 Rev A
Date: March 2009

Ordering Information

RVON-2 KP 32 CLD

VoIP Interface for KP 32 CLD
Catalog Number: 900027877000

RVON-2 DKP 16 CLD

VoIP Interface for DKP 16 CLD
Catalog Number: 90027877001

This specifications information is preliminary and is subject to change without notification.
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