



Features and Benefits

- **Plug-and-Play via USB connection to Vocality RoIP**
- **Quickly and easily expand Vocality RoIP**
- **Expand audio ports connections up to 12 ports per Vocality RoIP**
- **Requires no additional power source or network connectivity**

RoIP Connect

Easily Expand Vocality RoIP

The RoIP Connect is a simple to use and easy to install expansion module for the Vocality RoIP.

Each RoIP Connect adds an additional four audio ports, four serial ports and six GPIOs to the Vocality RoIP via a single USB connection.

No additional cabling or power sources are required, simply attach the RoIP Connect via USB to a Vocality RoIP for increased capacity.

When connected to the Vocality RoIP, the RoIP Connect will be automatically detected and all newly added ports will be displayed in the RoIP management interface ensuring a seamless user experience across all ports.

Fully compatible with the Rack Kit, when used together with Vocality RoIP the RoIP Connect allows customers to create up to a 12 port Radio over IP 1u rack solution.

Benefiting from our unique software licensing model, RoIP Connect users can expand their Radio over IP system requirements quickly and easily.

Specifications

Mechanical	Description
Form factor	Standalone enclosure (Requires connection to Vocality RoIP)
Cooling	Conduction by internal heat spreader to case
Operating Conditions(boxed*)	-40°C to +80°C ambient 0-90% RH non condensing
MTBF	>175,000 hours at 70°C
Dimensions	Height 1 in x Width 4 in x Depth 4 in
Indicators	4 tri-color audio channel status LEDs
Weight	0.4 lbs

Electrical	Description
Supply Input Rating	5V DC (via USB connection)
Power Consumption	2.5W (typ)

Connectors	Description
USB	1 x USB 2.0 Micro B, 2 x USB 2.0 Type A please (Use supplied USB cable only)

Functional	Description
Quad Serial Ports	V.24/RS232 serial
RTP Packet Sampling Rates	Auto
Audio 4-wire Ports	1 x standard (expandable up to 4 by Feature Key)
Interfaces	4-wire activation with COR/PTT, adjustable gain and optional DC bias for direct microphone connection
Compression	G.723.1 (5.3/6.3Kbps MP-MLQ) G.729 Annex A (8Kbps CS-ACELP), G.711 (64Kbps PCM) μ -law or A-law, variable bit rate codec including HD voice
Impedance	O/P 600 ohms, I/P high/600ohms
Max Input Level	6.0V pk-pk
Max Output Level (1kHz)	7.1V pk-pk
COR Activation Range	+0.8 to -48V relative to chassis
Passbands Flatness	+/-1.0dB (300-3300Hz)
Maximum PTT voltage	-24V to +60V relative to GND
Maximum PTT current	+/-120mA
Activation	COR/PTT, Vox, Permanent
Coding delay	Per algorithm
Gain	Input: -12 to +55dB programmable in 1dB steps Output: -57 to +6dB programmable in 1dB steps
Radio Auxiliary I/O	6 general purpose programmable I/O signals

System Configurations



Rear view showing USB connectivity



2 x RoIP Connect in Rack Kit with Vocality RoIP



RoIP Connect connected to Vocality RoIP

Vocality RoIP Connect is a product under continuous development. Vocality RoIP sold separately. Information correct at time of creation and is subject to change.