



Features

- Supports up to four radios*
- Analog/digital radio gateway*
- IP enables legacy radio systems*
- Remote management*
- Interconnects disparate radio networks and frequencies*
- G.711 audio compression*
- Performs USB and relay control*
- Connects to VPGate via Ethernet interface*
- MOTOTRBO support*
- VAD (Voice Activity Detection)*
- Motorola APX™ support*

The Outpost Plus is a field proven interoperable radio gateway supporting devices from different manufacturers regardless of radio brand, frequency, or technology.

Outpost Plus Radio Gateway

Avtec's second generation Radio over IP gateway is a cost-effective solution enabling radio connectivity via an IP network. The Outpost Plus is designed to be highly reliable and is easy to install, use, and maintain.

The Outpost Plus integrates with Avtec's VoIP Protocol Gateway (VPGate) giving dispatchers the ability to simultaneously control, monitor, and transmit to connected radio resources. Each Outpost Plus connects up to four analog or digital radios. Systems can be scaled to meet current and future operational needs by connecting additional Outpost Plus units to the VPGate. The Outpost Plus extends connectivity and communication for non-IP base station, fixed station, and control station radio technologies for both unbalanced and balanced audio. The Outpost Plus radio gateway supports devices from different manufacturers regardless of radio brand, frequency, or technology.

The Outpost Plus low cost of ownership design supports remote management and upgrades over low and high bandwidth networks. The Outpost Plus can be rackmounted and installed in harsh environments.

GENERAL SPECIFICATIONS

PHYSICAL

Width: 8.58 in (21.79 cm)

Height: 1.65 in (4.19 cm)

Depth: 10.39 in (26.39 cm)

Weight: 5.73 lbs (2.6 kg)

Color: Black

SUPPORTED RADIO PROTOCOLS

4W-E&M

XPR Control Station Interface

CAPACITIES

Maximum # of Radios per Outpost Plus: 4

SHELF DIMENSIONS W/2 OUTPOST PLUS DEVICES

Length: 19 in (48.26 cm)

Width: 8.6 in (21.84 cm)

Height: 1.63 in (4.14 cm)

SOFTWARE

Scout Software: Version 4.11.7 or later

Configuration Tool: Version 2.3.8 or later

ELECTRICAL SPECIFICATIONS

4W-E&M Outpost Plus Radio Port: RJ-45 Connector

COMM Outpost Plus Radio Port: RJ-45 Connector

Input Power: +10.8 to +14VDC (+12 V nominal)

In-Line Power Supply: Required unless connected through Power-Over-Ethernet (PoE) type 802.3AF class 0 (12.5 W Max)

Dissipation: 9W Max

Power: 37VDC to 57VDC; powered via POE-PD

RADIO PORTS

TWO- AND FOUR-WIRE AUDIO INPUT

Impedance: 600 Ω , 10 K Ω , balanced

Input Range: -40 dBm to +12 dBm @ 600 Ω

Frequency Response: 300 to 3,200 Hz, +1, -3 dB referenced to 1,000 Hz at less than 2% distortion

Fuse: Fast Blow 3A, 125V fuse

TWO- AND FOUR-WIRE AUDIO OUTPUT

Impedance: 600 Ω , 10 K Ω , balanced

Output Level: -40 dBm to +12 dBm @ 600 Ω

Frequency Response: 300 to 3,200 Hz, +1, -3 dB referenced to 1,000 Hz at less than 2% distortion

Distortion: less than 2%

Noise Floor: -50 dBm of Hum and Noise below the rate audio output

Fuse: Fast Blow 3A, 125V fuse

REGULATORY

Regulatory-EMC: FCC (Federal Communications Commission) Part 15 Class A (USA)

Green Product: RoHS, WEEE Mark

Non-certified Standard Compliance Requirements: CSA, UL, MOTOROLA W18 certification, CMM

ENVIRONMENTAL

Operating temperature: -22° F to 140° F (-30° C to 60° C)

Storage temperature: -40° F to 176° F (-40° C to 80° C)

Humidity: 5% to 95% @ 122° F (+50° C), Non-Condensing

Safety: EN60950-1

Certified Standard: CE Mark, FCC part 15 A Mark, UL Mark (for P.S. only) US Federal Government Environmentally Preferable Specification (EPP) Program

Vocoders: G.711 and G.729

HARDWARE VIEWS

