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VOYAGER MRB

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The Voyager Manpack Radio Brackett (VoyagerMRB) is an adapter bracket which allows tactical radios such as the Harris AN/PRC-117G Wide Band Tactical Radio (AN/PRC-117G) to be mounted into a Voyager 8 chassis in order to provide a gateway from the tactical in-field radio to the IP network and backhaul to remote base stations.

When installed, the VoyagerMRB takes up two slot positions in the Voyager 8 chassis as shown in Figure 1, and is powered directly from the Voyager 8 power board. No additional power or battery supply is required.



Figure 1 Multiple AN/PRC-117G radios mounted in a Voyager 8 chassis using two VoyagerMRBs



Figure 2 VoyagerMRB

Key Features:

- Slide-in locking mechanism provides fast installation and removal of radios into a Voyager 8.
- All radio power and battery backup is contained with the Voyager 8. No additional power supply or batteries are required.
- Provides easy method of deploying preconfigured tactical radios to IP networks with minimal set up and deploy time.
- Rugged chassis support for secure deployment in remote and diverse terrains.

Specification

Physical Specifications

- 8.6" W x 7.7" L x " 4.3 H (218.2 x 195.00 x 109.5 mm)
- 3.3 lbs / 1.5 kg (without a radio)

Electrical Specifications

- 9-24 VAC input which connect to Voyager 8 chassis power board
- 24 VAC output voltage
- 55W max output power

Construction

- Aluminum chassis

Operating Temperature range

- -40 to 55C

Storage Temperature range

- -40 to 85C

Interfaces

- Floating type per U.S. Army DWG # SC-C-179495 and compatible with the AN/PRC-117G

EMC

- MIL-STD-461F
- FCC Part 15B

Ruggedization

- MIL-STD 810G
- IEC 60529
- Sealed unit with dust caps for extra protection

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