

BATS-D POWER AND COOLING CASE

AN/PRC-161 Ancillary Product

The Battlefield Awareness and Targeting-Dismounted (BATS-D) Power and Cooling (B-PAC) case has been designed uniquely to support the operations of the BATS-D (PRC-161) radio which serves as a pivotal communication tool for many agile and reduced-footprint Link-16 users worldwide. Despite its diminutive form, the BATS-D radio operates at the forefront of technology. It enables secure situational awareness, data transmission, and voice communications crucial in diverse operational scenarios.

PRODUCT DESCRIPTION

To enhance the capabilities of the BATS-D (PRC-161) Link-16 radio, the B-PAC case offers a ruggedized and compact ancillary solution to assist with heat dissipation and to support prolonging the standard operational period of the radio. The B-PAC case integrates active cooling via dual fans and a heat-sink radio mount. It is designed to maintain optimal functioning temperatures for the BATS-D terminal, along with a continuous power supply to extend operational endurance well beyond the limitations of standard battery packs. By effectively managing heat dissipation and providing external continuous power to the radio, the B-PAC case not only indefinitely prolongs operational periods but also enhances performance and the long-term reliability and lifespan of the radio's internal components.

POWER, DATA AND RF INTERFACES

The BATS-D Power and Cooling Case can be powered by 240/110VAC via the included 220W power supply or directly by 24/28VDC vehicle power. The onboard USB-C power outlet intelligently detects a device and delivers the optimal voltage/current providing an integrated charging solution for compatible USB-C-powered Link-16 Host devices. A Platform-J connection to the BATS-D terminal is provided by an integrated RJ45 Ethernet port mounted to one of the two IO panels of the case. The case also offers external interfaces for both Antenna or RF cable connection for an installed BATS-D terminal.



Advanced Heat Management for Peak Radio Performance

KEY FEATURES

- > Rugged, small and lightweight
- > Rapid deployment and setup
- > AC power supply included 24/28VDC compatible
- > Active cooling via dual cooling fan system
- > Aluminum heat-sink radio mount
- > IRIS Technology Merlin pass-through radio power adapter
- > USB-C power outlet for host EUD charging
- > External Interface for RF antenna or cabling
- > External Ethernet interface for Platform-J host connection

SPECIFICATIONS AND TECHNICAL FEATURES

SPECIFICATIONS

- > Operating voltage 24-28VDC
- > 220W desktop power supply with overload/voltage/temp protection
 - 85-264VAC, 47-63Hz input
 - 24VDC, 9.2A output
- > USB C power output with PD profiles: 5V-3A, 9V-3A, 12V-3A, 15V-3A, 20V-4.2A
- > 10A Main, 3A fan circuit breaker protected

INTERFACES

- > Amphenol 97 Series 2-pin power receptacle
- > USB-C power out
- > RJ45 Platform-J Ethernet host data interface
- > TNC-F Link-16 RF connector

WEIGHTS AND DIMENSIONS

- > 41.8 cm x 33 cm x 17.3 cm
16.44" (w) x 13" (d) x 6.82" (h)
- > 9.5kg (21 lbs) with BATS-D terminal and all accessories

STANDARD ACCESSORIES

- > 220W 85-264VAC power supply
- > 28VDC power cable
- > USB C to USB C cable
- > IRIS Technologies pass-through charger
- > 2.5mm Allen Key T-handle

PART NUMBER

- > 16000-2171-01



BATS-D Power and Cooling Case

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