

GROUND POWER ADAPTATION, CONTROL AND COOLING SYSTEM (GPACC)

Enabling MIDS JTRS Ground Capability

After years of researching the most effective way to meet the needs of the warfighter, MIDS-LVT(2)/(11) users now have a viable path to MIDS JTRS with L3Harris Ground Power Adaptation, Control and Cooling (GPACC) system. The GPACC is an all-in-one, form-fit replacement that adapts a MIDS JTRS Radio Terminal Set (RTS) to operate in a traditional MIDS-LVT(2)/(11) installation—no terminal updates, extra parts or additional space needed for the MIDS JTRS (5).

PRODUCT DESCRIPTION

Thanks to the GPACC, LVT(2)/(11) platforms can now replace their legacy terminals with a four-channel, software-defined MIDS JTRS radio and be poised to benefit from ongoing and future MIDS JTRS capabilities, including Four Net Concurrent Multi-Netting (CMN-4) and Concurrent Contention Reception (CCR) capability, crypto modernization, frequency remap and enhanced throughput.

What's more, the GPACC offers far more in capability than the MIDS-LVT(2)/11. The GPACC can support multiple waveforms running simultaneously with intelligent cooling and an intuitive web interface. Additionally, the integrated Host Ethernet Auxiliary Request Translator (HEART) translates between a MIDS JTRS terminal from existing vendors and legacy hosts including, but not limited to, Platform-J. Ground users can take advantage of the multi-reception capable MIDS JTRS CMN-4 for enhanced network monitoring through plug-and-play compatibility with existing Link 16 network monitoring software, such as ARMS.



Increased Capability for MIDS JTRS RTS

KEY FEATURES

- > Compatible with MIDS JTRS from existing vendors and hosts
- > Complete form-fit replacement for LVT(2)/(11), no modifications or extra parts required
- > Built-in translation to support legacy ground platforms (ex. Platform J)
- > Intelligent cooling system for the MIDS JTRS Terminal
- > Interoperable with modernized Link 16 networks
- > CMN-4/CCR capable
- > Intuitive web interface control for local voice capability, zeroize capability, power control, discrete control and terminal status monitoring
- > Field serviceable
- > Removeable and washable filter for easy maintenance
- > AC and DC input power configurations available
- > Transit case available upon request (sold separately)
- > Patented

SPECIFICATIONS

PERFORMANCE

- > Frequency Range: 960 to 1215 MHz Link 16 (MIDS JTRS)
- > Transmission Modes: Link 16 TDMA, TACAN concurrent operations. Expandability for additional waveforms (MIDS JTRS).
- > Antenna Ports: Link 16 port A, 50 Ω Type "N"
Link 16 port B, 50 Ω Type "HN"
- > Data Interfaces: Ethernet Port (Host, Support Port)
Human Machine Interface Guard (HMIG)
Standard Circular 6-Pin Audio Connector on front panel for Link 16 J-Voice (compatible with most headsets/handsets)
- > Discrete Interfaces:
 - On, Off, Standby Power Control
 - Voice (including A/B Selection and Push-to-Talk (PTT))
 - Zeroize
 - IOIDENT (via Web GUI)
 - RT Address
 - Fail Status
 - LTTI
- > Terminal Status Indicators:
 - Fail Decode
 - Voice A/B
 - GPACC Status (Power, Cooling, Control)
- > Input: **AC:** 90-265 VAC 50/60/400 Hz
Single Phase
DC: 18-33 VDC
- > Power Draw: **AC:** 150 W Standby 500-1000 W
Average (Application Dependent)
1725 W Peak
- > Dimensions: 13.031" (w) x 8.391" (h) x 20.096" (d)
33.099 cm (w) x 21.313 cm (h) x 51.044 cm (d)
- > Weight: GPACC: 45.1 pounds (20.4 kg)
GPACC w/RTS: 102.2 pounds (46.35 kg)
- > Range: Clear line-of-sight transmission range in excess of up to 200 nautical miles (MIDS JTRS)
- > RF Power Output: 1 W, 25 W, or 200 W (MIDS JTRS)
- > L-Band: Link 16 data and voice including enhanced throughput modes
- > Accessories: (Includes all cables required to interface between the MIDS JTRS and GPACC)
 - MIDS JTRS RT J7 [Control, Discretes, Fail Decodes]
 - MIDS JTRS RT J2, J3 [Channel 1 Host, Voice, 1553]
 - MIDS JTRS PS J1 [Converted Prime Power]
 - MIDS JTRS PS J2 to MIDS JTRS RT J12 [Inter-LRU Power]
 - MIDS JTRS PS J4 to MIDS JTRS RT J5 [Inter-LRU Power]
 - MIDS JTRS RT J16 to RJ-45 Ethernet [External Host Control Bus / HMI]

ENVIRONMENTAL

- > Operating Temperature: -40 °C to +50 °C (-40 °F to +122 °F)
Max temperature dependent on TSDF.
See system specification for details at various TSDFs.
- > Storage Temperature: -40 °C to +50 °C (-40 °F to +122 °F)
- > Vibration: Designed to meet MIL-STD-810H, Method 514.8, Procedure I, Category 20, Composite Wheeled Vehicle (CWV)

PART NUMBERS

- > AC: 1352717
- > DC: 1411144

Ground Power Adaptation, Control and Cooling System (GPACC)

© 2025 L3Harris Technologies, Inc. | 10/2025 | BCS | 23-DSD-295 | Rev-203

NON-EXPORT CONTROLLED: THIS DOCUMENT CONSISTS OF INFORMATION THAT IS NOT DEFINED AS CONTROLLED TECHNICAL DATA UNDER ITAR PART 120.33 OR TECHNOLOGY UNDER EAR PART 772.

L3Harris Technologies is the Trusted Disruptor in the defense industry. With customers' mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit [L3Harris.com](https://www.l3harris.com) for more information.



1025 W. NASA Boulevard
Melbourne, FL 32919

[L3Harris.com](https://www.l3harris.com)