The worldwide leader of Link 16 solutions for air, ground, and maritime applications

MIDS JTRS Interface Control Panel

PN: 987-0011-788

Data Link Solutions' MIDS JTRS Interface Control Panel (ICP) facilitates test and evaluation for system and platform integration. The rack-mountable MIDS JTRS ICP allows the user to connect a host to the terminal via 1553 or Ethernet support port connections.

The MIDS JTRS discrete signals are broken out to individual BNC connectors for ease of integration. An included cable set connects the MIDS JTRS terminal to the ICP.

LED Built-In-Test (BIT) and status indicators provide the user with high-level Go/No-Go status, along with detailed fault codes indicating low-level line replaceable unit (LRU) and shop replaceable unit (SRU) failures. Message transmit and receive indicators visibly indicate incoming and outgoing messages.

The front panel offers Power On, Crypto Hold and Long Term Transmit Inhibit toggle switches. The DS-101 crypto fill port is also easily accessible.

The back panel allows the user to set the IOIDENT for unique platform selection and to specify RT Address when connecting via 1553. The 1553 and Ethernet connections are accessible for Link 16 and any additional waveforms in use on channels one through four, along with TACAN serial bus connectivity and External Time Reference (ETR)/GPS 1PPS.

Data Link Solutions' ICP operates with 115 VAC/60 Hz or 220 VAC/50 Hz input power. Both U.S. and continental European power cords are included.

Performance characteristics

- Configurable Platform ID and 1553 address
- 1553/Ethernet host and support port access to channels one through four
- Link 16 discrete access
- Fault decode indicators
- Message receive/transmit indicators

MIDS JTRS – Interface Control Panel

Terminal characteristics

Receiver/transmitter (RT)

Length	17 in (43.2 cm)
Depth	13 in (33 cm)
Height	7 in (17.8 cm)
Weight	14 lb (6.4 kg)
Volume	1547 in^3 (3930 cm^3)
Input power	85-264 VAC, 47-63 Hz

Functionality

- Configurable Platform ID
- 1553/Ethernet host and support port access to channels 1-4
- Link 16 discrete access
- Fault decode indicators
- Message receive/transmit indicators

Top-level configuration: PN: 987-0011-788

This configuration contains the below equipment:

Receiver/transmitter (RT)	
Interface Control Panel	987-0011-789
Cable, CH 1 Data Interface (W3)	987-0011-452
Cable, Fill (W4)	987-0011-453
Cable, B Power (W5)	987-0011-454
Cable, GTWY Interface (W6)	987-0011-455
Cable, Host Discretes (W7)	987-0011-456
Cable, Blanking Interface (W8)	987-0011-457
Cable, C Power (W12)	987-0011-458
Cable, CH 3 Interface (W15)	987-0011-459
Cable, CH 2/CH 4/EHCB Interface (W16)	987-0011-460
Cable, RPS J1 (W101)	987-0011-463
Cable, Fill (W104)	987-0011-462
Cable, Power, IEC C13 U.S.	V17201
Cable, Power, IEC C13 Continental European	V17213

Additional options

Optional attenuators are available for interior ICP mounting to easily terminate the RF connection.

The Data Link Solutions MIDS cooling tray mount with blower (available separately) provides cooling to the MIDS JTRS terminal and Remote Power Supply (RPS). A DC power supply is also available to provide 280 VDC to the terminal.

Attenuation PN: T-0155856	Internal attenuators to terminate RF antenna paths (two required)
Cooling PN: MTA-00525	Mount and blower for RPS and terminal cooling
Power PN: ELA-00094	Terminal power (280 VDC) supply, rack mounted

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