



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

MIDS LVT/JTRS Integration/ Development Station

Link 16 development capability designed by
integrators for integrators

For users who are serious about MIDS LVT or MIDS JTRS integration, DLS provides the MIDS LVT/JTRS Integration/Development Station. This test set is a mobile, ergonomically-designed station that allows user testing with one plug and a standard wall outlet.

The test set provides all of the requirements to operate a MIDS LVT or MIDS JTRS with integrated 280 VDC power supply, a variable speed blower, cooling tray, control relays, cables for both the MIDS LVT and MIDS JTRS, and RF attenuators. It includes an integrated PC with dual monitors that are height adjustable to allow the operators to use the test set in a standing or sitting position. With full access to the shop-replaceable unit inside the receiver/transmitter, extender cards and probes are easily accessible for troubleshooting. The bench top surface is covered with electrostatic-discharge-safe material so cards can be placed on the surface without fear of damage.



Terminal operation

Using the test station to operate a terminal is as easy as plugging in the test set to the wall, cabling the terminal, and opening the terminal exerciser. The terminal exerciser provides a graphical user interface, allowing the operator to select the data bus type (1553/Ethernet) and platform (A, B, D, I, J, M, V, and W). We provide the software to control the terminal and the test set, which can support other vendor tools. Support of port operation is also available and can be used in parallel with the host data bus. From another drop down menu, the user is able to set the crypto hold and power on discretes.

MIDS LVT / JTRS Integration / Development Station

System characteristics

| | |
|-------------|---|
| Height | 70 inches - monitors fully extended 42 inches - terminal shelf |
| Width | 34 inches (shelf, base 30 inches) |
| Depth | 43 inches |
| Weight | < 200 pounds (without terminal) |
| Part number | M042A336 |

Functional capabilities

- Testing, troubleshooting, and reprogramming MIDS LVT and JTRS units for field and depot upgrades with an integrated cooling tray allows full access to shop-replaceable units without removing the terminal
- Dual 24-inch monitors with keyboard and mouse on an adjustable mount allows multiple window access and the adjustable ergonomic mount allows the user to sit or stand when operating the test set
- DLS terminal exerciser software provides host emulation, port maintenance, and recording capabilities for enhanced diagnostics
- Terminal control relays allow the user to operate the terminal using a graphical user interface from a PC
- Digital converter power and external cooling fans for extender cards enable the user to operate the system in an open configuration and power
- Integrated variable speed blower supports low-noise operation for quiet laboratory operation
- Radio Frequency attenuators with dummy loads and simple interconnection allow for the set up of lab networks
- Both Ethernet and 1553 host interfaces convert LVT attachment unit interface Ethernet into today's 10-Base-T for ease of use

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