DLS
DATA LINK SOLUTIONS

The unspoken bond between allies.

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

Integration Development Station

Link 16 development capability designed by integrators for integrators

For users that are serious about Multifunctional Information Distribution System (MIDS) Low Volume Terminal (LVT) or Multifunctional Information Distribution System Joint Tactical Radio System (MIDS JTRS) integration, DLS provides the 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 (BU1/BU2) 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 SRUs 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 terminal exerciser software to control the terminal, and the test set to support other vendor tools. Support port operation is also available and may 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.

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 (115 V) M042A373 (230 V)

Functional capabilities

- Testing, troubleshooting, and reprograming MIDS LVT and JTRS units for field maintenance and depot upgrades with an integrated cooling tray allows full access to shop-replaceable units without removing the terminal.
- Dual 24-inch adjustable ergonomic monitors with keyboard and mouse on mount allow users to sit or stand when operating test set.
- DLS terminal exerciser software provides host emulation, port maintenance, and recording capabilities for enhanced diagnostics.
- Terminal control relays, allow the terminal to operate while using a GUI from the PC.
- DC power and external cooling fans for extender cards allow the user to operate the system in an open configuration and provide power to the extender cards and other COTS equipment as needed.
- Integrated variable speed blower for low noise operation for quiet laboratory operation.
- Radio frequency attenuators with dummy loads built in with simple interconnection allow lab networks to be set up with ease.
- Front panel LEDs provide fault indicators to allow quick diagnosis of failed assets.
- Provides audio interface which interfaces with Flightcom Model 4DX headset (not included).
- Provides both Ethernet and 1553 host interfaces into the terminal.
  - Converts LVT attachment unit interface Ethernet into today's 10-Base-T for ease of use.

For more information contact:
400 Collins Road NE
Cedar Rapids, IA 52498
Telephone: 319-295-4357
Email: dls@datalinksolutions.net
www.datalinksolutions.net

DLS DATA LINK SOLUTIONS