

MSI

MIDS-Main Terminal Support Port Interface



The MIDS-Main Terminal Support Port Interface (MSI) is a 19-inch rack mountable stand-alone Ethernet 10/100M interface to the MIDS LVT(1) and LVT(2) “Support Port”. The MSI is designed to facilitate message forwarding from the MIDS-network to applications used distribute this information across (wired/wireless) networks.

The MIDS-Main Terminal Support Port Interface connects directly to the J3 (databus) connector of the MIDS LVT(1) and LVT(2). All of the signals on the J3 connector pass through the MSI except for those of the “Support Port”. Two RJ-45 sockets connectable to 10/100M Ethernet on the back panel of the MSI provide access to the Support Port.

Features

- Interfaces the MIDS-Main Terminal’s “Support Port” to a 10/100M Ethernet network.
- Two 10/100M Ethernet network ports that both allow communication with the “Support Port” of the MIDS LVT¹.
- Direct visual indication of transmit and receive activity on the “Support Port”.
- Ruggedized 19-inch 1-HU rack mountable unit.
- Auto MDI/MDIX on both network ports.
- Wide input voltage range of 100 to 240Vac.
- MIDS connection cable of 2.5 meters.
- Fully transparent for all signals except the MIDS LVT support port interface.
- Installation within a couple of minutes. No need to configure the MSI.
- One year warranty. Extended maintenance option available
- Optional CF-card based data recording and replay facility.

1. Within the limitations of the MIDS LVT.

Front panel

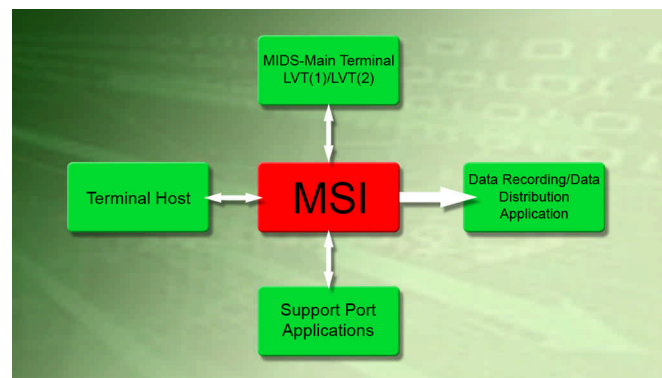
Eight front panel mounted LEDs provide a direct visual indication of mains power, the activity on the Support Port and the two 10/100M Ethernet ports (RJ-45 on the back panel). Transmission, reception, link status, 10/100M and network activity are indicated immediately by these LEDs.

Back panel

The back panel contains two circular D38999 connectors, the one located at the edge of the unit should be connected to the MIDS-Main Terminal J3-connector by means of the included cable. The other circular D38999 connector is open to systems utilizing the other facilities supplied by the MIDS-Main Terminal J3-connector. Two ruggedized RJ-45 connectors are available at the back panel of the MSI to provide network connectivity. An IEC mains power inlet is available at the back panel to provide mains power to the MSI.

Setup and installation

The MSI can be installed in minutes. Just connect the included cable with the circular D38999-style connectors to the MIDS and the MSI and connect your LAN/WAN to network port 1 or network port 2. Apply mains power through the IEC power inlet socket located on the left side of the back panel (rear view).



MIDS-Main Terminal Support Port interface

Operating Specifications

MIDS-Main Terminal Interface

Port-A	Connect to MIDS-Main Terminal's J3 connector
Port-B	Connects to MIDS's Host terminal (if applicable)
Electrical Interface	As specified in MIDS J3 databus documentation
Available signals	As specified in MIDS J3 databus documentation, all signals pass through except "Support Port" signals

Network Interface

Ports	2
Connector type	RJ-45
Electrical Interface	Ethernet 10Base-T, 100Base-T, Auto MDI/MDIX
Speed	10/100 Mbps

Physical Specifications

MSI Dimensions	L - 19"(482.6 mm) x D - 8.66"(220 mm) x H - 1.75"(44.45 mm)
Rack Mount	Fits standard 19" rack mounts, 1HU
MIDS databus connectors	D38999 Series wall mounting receptacle, 55 positions
Network Interface connector	RJ-45
Power Supply	100 - 240 V, AC, 47 - 63 Hz
Power Consumption	Max. 15 Watt

Environmental Specifications

Operating Temperature	0 - 40 degrees Celsius
Storage Temperature	-25 - 70 degrees Celsius

Ordering Information

Part Number	0907280
Description	MSI