



SPECIFICATIONS

DDS Interface	4-wire, full duplex -45 dB receiver sensitivity all rates Data Rates: 56K, 64K, and Auto Connector: RJ-48C
Clock Source	Internal or Network
Diagnostics	CSU and DSU loopbacks

INSTALLATION INSTRUCTIONS

1. Remove power from the unit.
2. Slide the Network Interface Module (NIM) into the option slot until the NIM is firmly seated against the front of the chassis.
3. Secure the pins at both edges of the NIM.
4. Connect the cables to the associated device(s).
5. Complete the installation of the base unit.
6. Restore power to the unit.

WAN-DDS (RJ-48C) CONNECTION PINOUT

Pin	Name	Description
1	R1	Transmit data to Network–Ring 1
2	T1	Transmit data to Network–Tip 1
3-6	—	Unused
7	T	Receive data from Network–Tip
8	R	Receive data from Network–Ring

DBU (RJ-48C) CONNECTION PINOUT

Pin	Name	Description
1	R1	Network-Ring1
2	T1	Network-Tip1
3	—	Unused
4	T	Network-Tip
5	R	Network-Ring
6-8	—	Unused



An optional Dial Backup Interface Module (DIM) is required for dial backup applications.

56K/64K NIM COMMANDS

clock rate {*auto* | *bps56k* | *bps64k*}

Configures the data rate used as the operating speed for the interface. This rate should match the rate required by the DDS service provider.

auto* Detects clock rate on line and sets to match.

bps56k Sets clock rate for 56 kbps.

bps64k Sets clock rate for 64 kbps.

clock source {*internal* | *line*}

Configures the source timing used for the interface.

internal Provides clocking using the internal oscillator.

line* Recovers clock from the circuit.

data coding scrambled

Combines user data with pattern data to ensure user data does not mirror standard DDS loop codes (used only on 64 kbps circuits without frame relay signaling).

description <*text*>

Comment line to provide an identifier for this interface (for example, circuit ID, contact information, etc.)

<*text*> Up to 80 alphanumeric characters

loopback {*dte* | *line* | *remote*}

Initiates a loopback on the interface. The **no** version of this command deactivates the loopback.

dte Initiates a loop to connect the transmit and receive path through the unit loop.

line Initiates a loop of the DDS circuit towards the network by connecting the transmit path to the receive path.

remote Transmits a DDS loop code to the remote unit. In response, the remote unit should initiate a line loopback.

remote-loopback

Configures the interface to respond to loopbacks initiated by a remote unit (or service provider).

The **no** version of this command configures the interface to ignore DDS loop commands.

shutdown

Turns off the interface. The **no** version of this command turns the interface on and allows it to pass data.

snmp trap

Enables all supported Simple Network Management Protocol (SNMP) traps on the interface.

snmp trap link-status

Controls the SNMP variable to enable (or disable) the interface to send SNMP traps when there is an interface status change.

* *Indicates default values.*