

Digi EIA-422 Connector Wiring

Use the information below to find the pin assignments for EIA-422 models of EtherLite Terminal Servers.

A terminal, a serial printer, or a serial port for another computer usually functions as a DTE device. The Digi terminal server is also a DTE device. To connect a DTE device to another DTE device a null modem cable or adapter must be used.

Two wires (one twisted pair) are required for each EIA-422 signal, a positive lead ("+"), and a negative lead ("-"). The "+" leads at one end of the cable must be connected to the "+" leads at the other end, and the "-" leads at one end must be connected to the "-" leads at the other end.

Incorrect wiring could result in damage to the connected devices. The following table shows the pin configuration for the EIA-422 versions of Digi EtherLite Terminal Servers.

| Signal | Description | RJ-45 Pin |
|---------------|-------------------------------|------------------|
| RTS* | Request To Send (EIA-232) | 1 |
| RxD- | Received Data (-) | 2 |
| DCD* | Data Carrier Detect (EIA-232) | 3 |
| RxD+ | Received Data (+) | 4 |
| TxD+ | Transmitted Data (+) | 5 |
| SG* | Signal Ground (EIA-232) | 6 |
| TxD- | Transmitted Data (-) | 7 |
| CTS | Clear To Send (EIA-232) | 8 |

*RTS and DCD are available, but remain single-ended EIA-232 signals, and require Signal Ground (pin 6) as a reference.
