EN-4000™ Reference Manual
Document F

Reference Sheet for the EN-4000's RJ45 Serial Port

This sheet provides information on the EN-4000™ chassis's RJ45 serial port.

F.1   RJ45 Serial Port

Figure F-1 shows the dual serial-port module for the EN-4000. The module is installed in one of the expansion slots on the front of the chassis. (The module can be installed in either expansion slot.) As the name indicates, this module provides two serial ports. The serial ports use RJ45 connections.

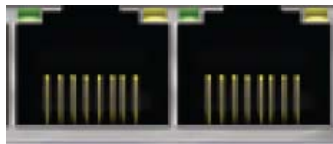Figure F-1. Dual Serial-Port Module for the EN-4000

Figure F-2 shows the pin locations on an RJ45 serial port. Each serial port has an RJ45 connector. Table F-1 lists the pin configuration for the EN-4000's RJ45 serial ports.

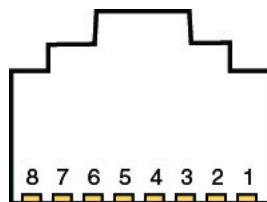Figure F-2. Pin Locations for Female RJ45 Serial Port Connector

8 7 6 5 4 3 2 1

Table F-1. RJ45 Serial Port Pin Configuration

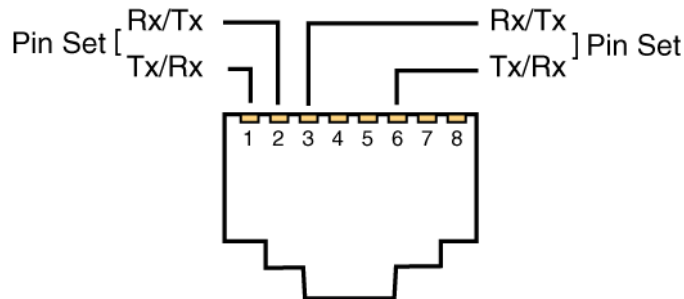| RJ45 Pin No.	RS232	RS485HD	RS485FD
1	DSR/RI (O)	TX/RX+ (BI)	RXD+ (O)
2	DCD (O)	TX/RX- (BI)	RXD- (O)
3	DTR (I)	N/A	TXD- (I)
4	SGND	SGND	SGND
5	RD (O)	DSR (O)	DSR (O)
6	TD (I)	N/A	TXD+ (I)
7	CTS (O)	CTS (O)	CTS (O)
8	RTS (I)	RTS (I)	RTS (I)

(I): input
(O): output
(BI): bidirectional

F.2   RJ45 10-Base-T/100-Base-T Ethernet Port

Figure F-3 shows the pin locations on an RJ45 Ethernet port. Table F-2 lists the pin configuration for the EN-4000's 10/100-Base-T Ethernet ports.

Note: The EN-4000 senses the pin configuration at the remote end of the connection and sets its own pin configuration to correspond to that remote configuration.

Figure F-3. Pin Locations for Female RJ45 Ethernet Connector

Each pin set autosenses and adjusts to signals from the device at the remote end of the connection.

Table F-2. 10-Base-T/100-Base-T Ethernet Port Pin Configuration

Pin Set[1]	Description[2]
1 and 2	Tx or Rx
3 and 6	Rx or Tx

1. Unused pins are not listed.
2. The EN-4000 Ethernet connectors are autosensing and will adjust to the signals from the device at the remote end of the connection.