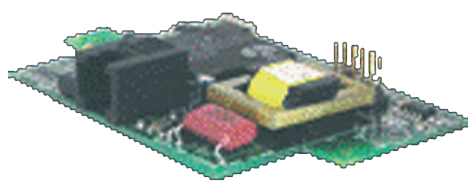
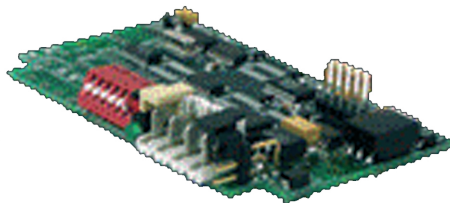


Pony Express OEM Modem Series



PE2.4



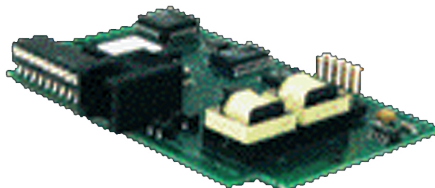
PE9.6FPD



PE14.4



PE14.4L



PE202T



PE28.8

Overview

To service the growing need for efficient, reliable data communication in harsh environments of utility substations and industrial facilities, DCE has developed a series of OEM PCB modems that can operate at 5V logic (TTL) or simple send and receive signals and survive high surge levels and extreme heat and cold. All this without compromising the performance expected from state-of-the-art communication devices. With the rapid move toward "intelligent" substations, where meters, relays, RTUs, SCADA systems, etc. are able to "talk" to a remote operator, communication devices such as modems are moving off the desktop and into the meters, RTUs, and SCADA units where the conveniences of a standalone modem is unacceptable.

Data Connect Enterprise has addressed this problem by developing the PE2.4, 9.6FPD, 14.4, 14.4L, 202T, and 28.8 OEM modems designed specifically for harsh environments.

The PE OEM modems are highly sophisticated full duplex, V.22bis data modems that are designed to interface with RS232, RS485 (external device), 5Vlogic (TTL) or simple send and receive signals. The PE2.4, 14.4, and 28.8 OEM modems operate at full or half duplex on a dial-up line. The PE202T, 14.4L, and 9.6FPD OPM modems operate full or half duplex on 2 or 4 wire leased line.

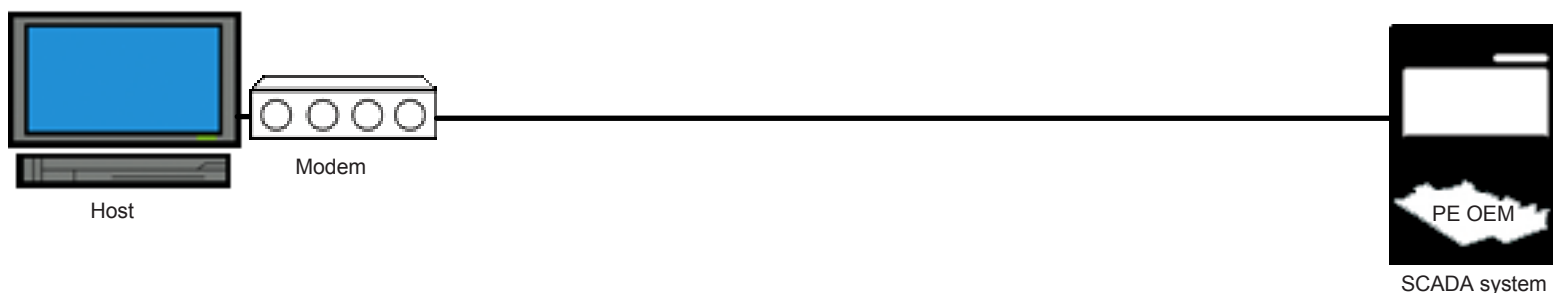
The PE OEM PECs can be found in the MIU modems, MD modem cards, and the MIU Powerport modems.

Features

Modem Interface Units 5V logic (TTL)
Simple send and receive signals
2400kbps 2-wire dial-up line modem

5V logic (TTL) power supply
IEC801-4 surge protection
-40°C to +85°C operating temperature
For meters, relays, SCADA etc.

Diagrams



PE2.4

Modem Line Speeds:

Asynchronous 2400, 1200, 300bps

Standards:

V.22bis, V.22, Bell212A, Bell 103

Transmission Line:

Dial-up

Compatibility:

Hayes Extended AT Command Set

Power:

5V logic (TTL)

PE9.6FPD

Modem Line Speeds:

Asynchronous 4800, 9600, 14000bps

Standards:

V.27, V.29

Transmission Line:

2 & 4 wire leased line

Compatibility:

Hayes Extended AT Command Set

Power:

5V logic (TTL)

PE14.4

Modem Line Speeds:

Asynchronous 14000, 9600, 4800, 2400, 1200, 300bps

Standards:

V.32bis, V.32, V.22bis, V.22, Bell 212A, Bell 103

Transmission Line:

Dial-up

Compatibility:

Hayes Extended AT Command Set

Power:

5V logic (TTL)

PE14.4L

Modem Line Speeds:

Asynchronous 14000, 9600, 4800, 2400, 1200, 300bps

Standards:

V.32bis, V.32, V.22bis, V.22, Bell 212A, Bell 103

Transmission Line:

2 & 4 wire leased line

Compatibility:

Hayes Extended AT Command Set

Power:

5V logic (TTL)

PE202T

Modem Line Speeds:

0-1200bps

Standards:

Bell 202T

Transmission Line:

4-wire leased or private line

Compatibility:

Hayes Extended AT Command Set

Power:

5V logic (TTL)

PE28.8

Modem Line Speeds:

Asynchronous 28800, 14400, 9600, 4800, 2400, 1200, 300bps

Standards:

V.34, V.32bis, V.32, V.22bis, V.22, Bell 212A, Bell 103

Transmission Line:

Dial-up

Compatibility:

Hayes Extended AT Command Set

Power:

5V logic (TTL)

General Specs

Card size:

3.4" x 0.01" x 0.5"

Digital port:

DTE 8-pin, simple send/recieve signals

Analog port:

RJ11 modular jack

Surge protection (power line):

8kV (exceeds IEC801-4) (20kV [IE801-5] available if required)

Surge protection (analog line):

5kVAC

Environment:

-40°C to +85°C, 0-95% humidity (non-condensing)

Certifications:

FCC part 68, industry Canada

Ordering Information

DCE/PE2.4	2-wire dial-up PCB
DCE/PE9.6FPD	2and 4 wire leased line PCB
DCE/PE14.4	2-wire dial-up PCB
DCE/PE14.4L	and 4 wire leased line PCB
DCE/PE202T	4-wire leased or private line PCB
DCE/PE28.8	2-wire dial-up PCB

Data Connect Enterprise

3405 Olandwood Court. Olney, MD. 20832

301.924.7400x17

www.data-connect.com

www.dataconnectus.com