

# MIU POWER PORT 28.8 SERIES

To service the growing need for efficient, reliable data communication in a harsh environments of utility substations and industrial facilities, has developed a 28800bps modem that can operate from various AC/DC power supplies and survive high surge levels and extreme heat and cold. All this without compromising the performance expected from state-of-the-art communications devices.

With the rapid move toward "intelligent" substations, where meters, relays, RTU's, SCADA systems, etc. are able to "talk" to a remote operator, communication devices such as modems are moving off the desktop and into the field, where the conveniences of 115VAC power outlets and climate control are usually hard to find.

Data Connect Enterprise has addressed this problem by developing the MIU PowerPort28.8 series modem designed specifically for harsh environments.

The MIU PowerPort28.8 series modem is a highly sophisticated full duplex, V.34 data modem that is designed to interface with RS232, RS485 (external device), 5V logic (TTL) or simple send and receive signals. The MIU PowerPort28.8 series modem operates on a 2-wire Dial system.

The MIU PowerPort28.8 series is powered through the RS232 (DB25) data interface port or External Jack. An optional 7-16VDC version is also available. A low voltage version (9-36VDC) is also available. The MIU PowerPort28.8 modem is designed to work in temperatures from 40 degrees Celsius to 85 degrees Celsius, and is surge protected on both the power and analog lines.

The MIU PowerPort28.8 series modem is bundled in a 5-3/8" X 1-3/8" non-metallic enclosure, suitable for desktop or wall mounting.

Also see our Data Sheets on the "Myriad" Rack Mount Modem Banks, MIU202T (Bell), MIU9.6FPD and MIU14.4 and MIU28.8 modems.



## *Key Features*

*Modem Interface Units  
AC/DC POWERED*

*SUBSTATION  
HARDENED  
Communication  
Interface Units*

*28.8kbps 2-Wire Dial  
modem*

*Powered through the  
RS232 (DB25) data  
interface port or  
External Jack.  
(Optional 7-16VDC  
available)*

*Automatic "Power  
Down" when inactive*

*IEC801-4 Surge  
Protection*

*-40 Degrees Celsius  
to +85 Degrees  
Celsius Operating  
Temperature*

*Hayes AT Compatible*

*For Meters, Relays,  
SCADA etc.*

# General Specifications

**Modem Line Speeds:** Asynchronous 28800, 14400, 9600, 4800, 2400, 1200, 300bps

**DTE Rates:** Above modem line speeds (ie; with data compression) 115.2, 57.6, 38.4, 19.2kbps

**Standards:** V.34, V.32bis, V.32, V.22bis, V.22, Bell 212A, Bell 103

**Transmission Line:** 2-Wire Dial

**Compatibility:** Hayes Extended AT Command Set

Powered through the RS232 (DB25) data interface port or External Jack. (Optional 7-16VDC available)

**Case Size:** 5-3/8" X 4" X1-3/8"

**Digital Port:** RS232 with DB9 Connector

**Analog Port:** RJ11 Modular Jack

**Surge Protection:** (Power Line) 8kV [Exceeds IEC801-4] (20kV {IE801-5} available if required)

**Surge Protection:** 3.75VAC

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

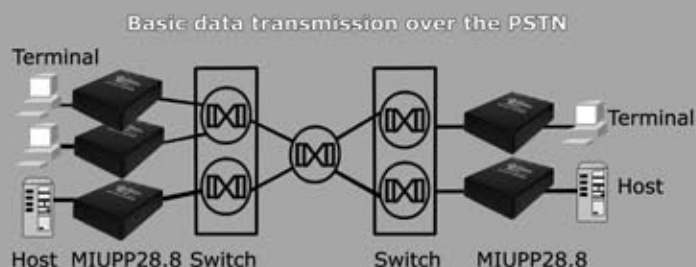
**Certifications:** FCC Part 68, Industry Canada



## Model Numbers and Optional Features

**DCE/MIUPP28.8** 2-wire dial-up standalone

**DCE/MIUPP28/8-DC** 2-wire dial-up standalone DC power



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