

MIU28.8 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 MIU28.8 series modem designed specifically for harsh environments.

The MIU28.8 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 MIU28.8 series modem operates on a dial-up system.

The MIU28.8 series modem is powered from a unique power supply that enables it to operate on any AC or DC voltage ranging from 48V to 240V. A low voltage version (9-36VDC) is also available. The MIU28.8 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 MIU28.8 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 MIU/PowerPort low voltage modems, the "Myriad" Rack Mount Modem Banks, MIU202T (Bell), MIU14.4 and MIU9.6FPD modems



Key Features

*Modem Interface
Units AC/DC
POWERED*

*SUBSTATION
HARDENED
Communication
Interface Units*

*28.8kbps 2-Wire
Dial Modem*

*48 to 220 AC/DC
Power Supply*

*IEC801-4 Surge
Protection*

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

*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: Dial

Compatibility: Hayes Extended AT Command Set

Power Supply: 48VAC/DC to 220VAC/DC (Optional 9-36VDC)

Power Connector: 4-ft AC Cord with 3-Pin Screw Terminal connector included

Case Size: 5-3/8" X 4" X 1-3/8"

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)

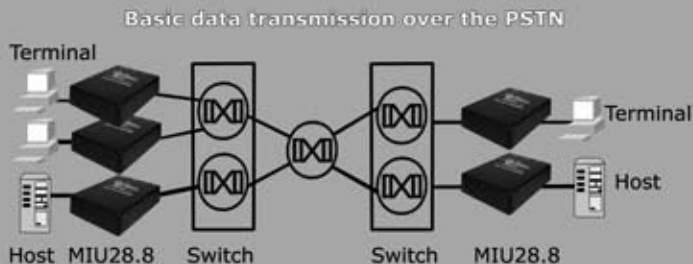
Certifications: FCC Part 68, Industry Canada



Model Numbers and Optional Features

DCE/MIU28.8 2-wire dial-up
standalone

DCE/MIU28.8-LV 2-wire dial-up
standalone, 9-36VDC



3405 Olandwood Court,
Olney, MD 20832
301-924-7400
Fax 301-924-7403

www.data-connect.com
www.dataconnectus.com