

# PIM

## POWER ISOLATED MODEM

### SPECIFICATIONS

#### Physical

##### Size

Length: 6.6"

Width: 5.3"

Height: 1.3"

Weight: 10oz.

#### Environmental

##### Storage

Temperature: -50°C to +85°C

Humidity: 0% to 95%, non-condensing

##### Operating

Temperature: -40°C to +72°C

Humidity: 0% to 95%, non-condensing

#### Mounting

Shelf or desktop

#### Construction

##### Chassis

Fully enclosed, anodized aluminum, externally accessible connectors and LEDs

##### Electrical

Single PCB with conformal coating, mounted inside chassis

#### Power

##### Voltage

Input: 8 to 36Vdc

##### Consumption

Maximum 60mA at 12Vdc

#### Isolation and Protection

Minimum 4000Vdc to ground or any input connection, infinite duration

An external, telco-approved suppressor can be used for added protection

#### Connectors

##### Power

Detachable, tension clamp with 4 terminals, 12 to 22AWG, requires .25" stripped end

**Terminals 1 & 2:** B, battery positive

**Terminals 3 & 4:** N, battery negative

##### DTE

**Type:** DB-25, female, configured as DCE

**Signals:** RD, SD, CTS, RTS, DSR, DTR, DCD, RI, Signal Ground

##### Phone

Single RJ-11

#### LED Indicators

**Green:** Power

**Red:** Qty. 5, Receive Data, Transmit Data, Off Hook, Ring In, Carrier Detect

#### DTE Interface

Configured as DCE

Auto-Baud detection (fixed Baud rate available)

#### Line Protection

Internal MOV device used across tip and ring

A telco approved external suppressor should be used for added protection

#### Regulatory

Designed to meet applicable FCC standards

#### Modem Standards

**Speed:** 300 to 33.6K Baud, V.21, V.22, V.29 Fast Connect

**Data Compression:** V.42bis, V.44

**Error Correction:** V.42, MNP 2-5

#### Control Commands

AT command compatibility

Supports most standard Hayes commands

Includes additional AT commands for control of other modem features

#### Profile

Support for one profile

Defined by the sequence of various AT commands

Active profile is volatile until saved to EEPROM

Use MICRO-AIDE's ModemConfig App to create and save a profile

*MICRO-AIDE reserves the right to make changes, at its sole discretion, to any specification listed herein.*