LPM
Low Power Modem
Specifications

Physical
Size

Length: 6.6"

Width: 4.8"

Height: 1.3"

Weight: 10 oz.

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, LEDs and switches

Electrical

Single PCB with conformal coating, mounted inside chassis

Power
Voltage

DC: 5 to 36

AC: 10 to 15 (optional AC power adapter available)

Consumption

Standby Mode: maximum .5 mA at 12 Vdc

Active Mode: typical 85 mA at 12 Vdc

Operation
Standby Mode

Low power while awaiting ringing or DTE data

Standby to Active Transition Delays

Within 6 sec of ringing or 200 msec of DTE data

Answer

After transition to Active Mode, answers call in accordance with S0 register setting

Disconnect

Loss of carrier, DTR drop or on hook command

Active to Standby Transition Delays

Active Connection: 10 sec after loss of carrier

No Connection: 60 sec after last ring or 120 sec after last DTE data

Controls
Externally accessible, DIP switch enables or disables Standby Mode

Connectors
Power

Standard 3.5 mm jack, center positive

DTE

Type: DB-25, female , configured as DCE

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

Phone

Dual RJ-11, wired in parallel

LED Indicators
Green: flashes while in Standby Mode, off while in Active Mode

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 the profile

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