2G M2M Terminal

GSM / GPRS Modem

Hypertech Systems
2G M2M Terminal
P/N - HYP1001

2G M2M Terminal

PRODUCT OVERVIEW

- **GSM/GPRS Class 10**
- **Full Quad Band Support**
  850/900/1800/1900Mhz
- **Complete embedded internet connectivity**

- **Extremely small form factor: 73x54x25.5mm**
- **Extended operational temperature: -45⁰+85⁰c**
- **Very Low power consumption: <11mA In Idle**
- **Ruggedized design for Industrial and Control applications**

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M2M Terminal is an easy to use plug & play 2G cellular modem with extended MMS capabilities. Based on Sagemcom's Hilo embedd modem, the 2G M2M Terminal is controlled by standard AT Commands via serial RS232 interface and standard DB9 connector, with its robust aluminum case, it enables the usage in harsh industrial and control environments.

Thanks to its extremely low power consumption, the 2G M2M Terminal increases the autonomy of your battery - powered application.

Most extended range and best in class sensitivity the 2G M2M Terminal enables operation at extreme and remotely environments where network coverage is inferior.

TECHNICAL FEATURES

Environment

- DB9 Industrial Connector
- Size: 73x54x25.5mm
- Weight: 80g
- Operational Temperature Range: -40°C - +85°C
- Power Supply DC Voltage: 5-24V using a secured Molex DC power connector
- Antenna Connection: SMA
- Consumption in standby mode (can receive a call): < 11mA

Radio Link

- Full Quad Band Support for GSM/GPRS 850/900/1800/1900Mhz
- GPRS Multislot Class: class 10 (3+2 & 4+1)
- GPRS Baud rates: DL up to 85,6 kbps, UL up to 42,8kbps
- GPRS Coding Scheme: CS1 to CS 4

Localization

- SMS CB, Cell ID
- Network cells measurements

Data Interface

- 8 lines UART serial Interface
- Full Hardware and Software Flow Control
- AT commands set: GSM 07.05;07.07 and Proprietary AT commands
- Data over CSD and Fax supports
- Complete embedded internet connectivity: TCP, FTP, UDP, SMTP and POP3

GSM Features

- Auto answering for Data call
- Internal Phonebook
- CLIP / CLIR / COLP
- Call wait / call hold, Conference call
- Call forwarding, Call Barring
- Supports of: USSD, Sim Toolkit
- PDU and Text mode SMS support
- Easy network BTS scan features
- Module reset/alarm based on RTC

Security

- SIM lock supported
- SIM 3V & 1.8 V

SGS ISO 9001:2008 SYSTEM CERTIFICATION

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