

DATAREMOTE

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CDS-1900-M GSM/GPRS Quad Band Cellular Modem Specification

DATA REMOTE INCORPORATED

CDS-1900-M is the most versatile, compact and economical GSM based cellular modem available today. With a compact rugged design to meet extreme environmental conditions, ease of configuration through AT commands and an optional rechargeable battery backup, CDS-1900-M is the ultimate solution for AMR and remote equipment monitoring (REM) applications.

CDS-1900-M is an all digital GSM/GPRS modem utilizing the latest digital GSM cellular networks for added reliability. As a quad-band GSM/GPRS modem with an asynchronous serial port supporting configurable RS-232 and RS-485 interface with baud rates up to 460,800, CDS-1900-M can communicate with virtually any device with RS-232, RS-485 or USB interface in any country with GSM/GPRS network.

With multiple user defined I/O ports and user programmable event generator, CDS-1900-M can be configured for reliable remote control and monitoring of functions such as meter reading, temperature, pressure and other necessary data for AMR and REM verticals.

CDS-1900-M is another example of DataRemote's dedication to design and manufacture of superior products.



CDS-1900-M

- All functionality controlled through AT commands
- Supports RS-485 and RS-232 at baud rates up to 460,800
- USB interface
- GPRS class B multi-slot class 10
- Supports TCP, UDP, FTP, Telnet, and ICMP
- Auto report new dynamic IP address
- Over-the-air firmware upgrade
- Supports SMS connectivity
- Event triggered messages can be sent to up to 4 user stored numbers via SMS

Specifications

Frequency Band	850/900/1800/1900 MHz
Transmit Power	2W @ 850/900 MHz 1W @ 1800/1900 MHz
Status Indicators	Network registration/SIM/GPRS

Network Functionality

- Auto-Register to GPRS network
- GPRS Class B, Multi-Slot 10
- Auto Reports Dynamic IP Assignment
- Remote command line interface via Telnet
- Configurable as TCP Server and Client
- Supports TCP, UDP, FTP, Telnet and ICMP
- OTA Firmware Upgrade Using FTP
- SMS connectivity- Stores up to 4 SMS numbers

Power Requirement

- D.C Power 6-32V
- GSM 850/900 140mA average @12V
- GSM 1800/1900 100mA average @12V

Physical Connection

- Cellular Antenna Connector SMA female
- Data Connector
 - RS232- Mini DIN connector
 - RS-485
 - USB
- Power Connector
 - I/O terminal block
 - 4 digital inputs
 - 2 analog inputs
 - 2 general purpose outputs

Mechanical

Case Material	Extruded aluminum
Dimensions	3" X 2.8" X1.1"
Weight	4 oz.
Operating Temperature	-30°C to +70°C