DATAREMOTE INCORPORATED CDSB-6/Moto

800 MHz Analog Cellular RS-232 Data Modem Including 3 Watt Motorola Cellular Radio

The Total Monitoring Solution For Oil and Gas Production, Traffic, Water and Waste Water Facilities and Weather Stations

Standard Features

- Motorola 3-watt AMPS transceiver
- Remotely programmable
- Monitor RSSI and input voltage locally or remotely
- Standard RS-232 interface
- Status windows - remote or local
- Auto-answer, auto-dial
- Real time clock
- Call process monitor
- Auto-dial in sleep mode for alarms
- Polling window reduces power consumption
- MNP-10EC cellular ready modem
- TX-CEL cellular error correction

PREMIUM PERFORMANCE

CDSB-6/Moto...This cellular data modem is designed for optimal service while using intelligent power management. The units' microcomputer controlls the cellular transceiver and modem as one device. The intellegent power management system allows the user to remotely program all of the modem options, functions, and power management. With high power output and a full duplex transceiver, the CDSB-6/Moto delivers broad coverage and reliable performance. The modem will withstand extended temperatures, ignition noise, and humidity. It communicates via AMPS Circuit Switched Cellular with TX-CEL and MNP-10EC cellular protocols for enhanced throughput. The modem also copes well with problems common to cellular systems such as, hand-off, noise distortion, and varying signal conditions.

Optional Features

- NEMA-4X enclosure,
- AC or solar powered

CDSB-6/Moto installed in a NEMA-4X enclosure with AC power supply

DataRemote, Inc.

2889 Bunsen Ave., Suite D Ventura, CA 93003 Ph. 805-339-9379 Fx. 805-339-9736

www.dataremote.com

CDSB-6/Moto Specifications

(Motorola AMPS Transceiver)
INPUT VOLTAGE:
10 – 16.5VDC
RF POWER OUTPUT:
3.0 Watts nominal into 50 ohms
TEMPERATURE:
Operating: -30ºC to +60ºC (-22º F to +140º F)
Storage: -40ºC to +85ºC (-40º F to +185º F)
Thermal Shock: -40ºC to +85º C (-40º F to +185º F)
SHOCK:
EIA standards R5152B (Section 15) and IS-19
HUMIDITY:
90-95% relative humidity; meets BIA standard IS-19
VIBRATION:
EIA standards R5152B and IS-19

(Controller- Modem Board)
ERROR CORRECTION:
MNP-10EC/TX-CEL
CELLULAR THROUGHPUT:
Up to 16,000 bps (using V.42BIS)
SERIAL INTERFACE:
Buffered EIA RS-232C
FLOW CONTROL:
Xon / Xoff, RTS/CTS, none
MODULATION PROTOCOL:
V.32BIS (14,400bps)
V.32 (9,600bps)
V.22 (2,400 to 100bps)
212a (1,200bps)

TOTAL POWER REQUIREMENTS: (@13.5VDC)
Standby: 120ma (Waiting for call)
Quiescent Standby: 15ma (In sleep mode)
Active: 700ma to 2.2A (Call in progress)
DATA CONNECTIONS:
DB-9 and Phoenix connector screw terminals
ANTENNA CONNECTION:
Mini-UHF
PHYSICAL SIZE:
8 ¼ L, 5 ½ W, 2 ¼ H
WEIGHT:
Approx. 2 lbs.

Programmable Menu Options

(Local and Remote)

- Set clock time
- Up to 4 polling windows
- Initialization AT string
- Set cellular power level, .6 to 3.0 watt
- Program cellular number (NAM)
- Program alarm callout number
- Set DTE/DCE baud rate