



The CDS-9060T/R allows any meter or terminal with an RJ11 jack to send data over digital cellular – significantly reducing the costs of transmission, while eliminating the need for a costly upgrade.

Simply plug a standard modem line into the CDS-9060T/R's RJ11 port to start taking advantage of the reliability and privacy offered by the rapidly expanding CDMA network. This rugged wireless data modem operates in CDMA dual mode, supporting both circuit-switched and 1xRTT packet-switched services.

The extensive coverage of the CDMA network means DataRemote's CDS-9060T/R is the perfect solution for affordable, packet data transmission from remote areas or anywhere a fixed line is unavailable.

➤ *Optional NEMA-4x Enclosure for Harsh Conditions*

Upgrade Your Legacy Analog System to Digital Cellular

Distinctive Features

- Standard RJ11 interface
- Complete network approvals (approved by all major carriers)
- Distinguishes DTMF tones for IP routing
- Easy trouble-shooting via configuration menu
- Analog data/fax transmissions
- Internal signal-strength meter
- FCC and Canada certified RF
- Easy set up

Typical Applications

Automatic Meter Reading (AMR), Remote POS, Wireless Telemetry, SCADA, Video Monitoring, Traffic Sensor Monitoring, Alarm & Equipment Monitoring, Unidentified Data Protocol (UDP), Automatic Teller Machines (ATM), Short Message Service (SMS), Standard RJ11 Fax Machine Transmission

Standard Features

- Packet-switched data (1xRTT CDMA)
- Circuit-switched data (IS-95)
- SMS via AT-Commands over CDMA
- RJ11 interface (5 REN, data only)
- Dynamic IP management
- TCP/IP stack
- PPP/TCP/UDP/MIP/DMU/PAD
- Remote updates to PRL
- Simple modem configuration – remotely or locally
- 3 input triggers for cry-out alarms via SMS
- Analog modem (300bps to 33.6bps)



General Specifications

Standards:	Packet-switched data (CDMA 1xRTT), Short Message Service (SMS), circuit-switched data (IS-95), analog data
Power Requirements:	9-16VDC @ 2A (unregulated)
On-Board Backup:	3.6V 200MA (CR2032) Lithium Cell
Serial I/O:	1 RS-232 Async
Control I/O:	12 pos. IDC header, 6 inputs/6 outputs (send cry-out alarms via SMS to your cell phone)
Command Protocol:	AT command set and DataRemote configuration menu
LED Indicators:	Power ON, Signal Status, TXD, RXD, DCD, DTR, AUX
CDMA Modem:	MSM-5105 (1xRTT; IS-95A/B - MDR verified)
Analog Modem:	AMPS modem (Conexant chipset 300bps to 33.6bps)
Vocoder:	8 Kbps CELP, 13 Kbps QCELP, 8 Kbps EVRC

RF Specifications	800 MHz	1900 MHz (CDMA)
Interface Standards:	AMPS: ANSI/TIA/EAI-553 CDMA: TIA/EIA, IS-95A/B	J-STD-008
Operating Frequencies:	TX: 824-849 MHz RX: 869-894 MHz	TX: 1850-1910 MHz RX: 1930-1990 MHz
RF Power:	AMPS: 600mW (EIRP Nom.) CDMA: 600mW (EIRP Nom.)	400mW (EIRP Nom.)
Maximum TX Power:	AMPS: +26.7dBm Min. CDMA: +23dBm Min.	+23dBm Min.
Receiver Sensitivity:	AMPS: >116dBm @ 12dB Sinad CDMA: >-104dBm @ 0.5% FER	>104 dBm @ .05% FER
Frequency Stability:	< ± 2.5 PPM	< ± 2.5 PPM
Antenna Interface:	50 ohm, TNC	50 ohm, TNC
Current:	Normal current draw = 53ma in Idle Mode (can vary from network to network)	



Physical Specifications

Size:	6.3" L X 4" W X 1.2" H
Weight:	23.0 Oz.

Environmental Specifications

Temperature:	Operating: -30 C to +60 C (-22° to 140°) Storage: -40 C to +70 C (-40° to 146°)
Humidity:	0-95% (non-condensing) 95° F (35° C)

Features may change without notice.