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 and 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 for 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

## 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 (can vary from network to network)

**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**

<table>
<thead>
<tr>
<th>Operating Frequency</th>
<th>AMPS: 800 MHz</th>
<th>CDMA: 1900 MHz (CDMA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TX: 824-849 MHz</td>
<td>AMPS: 600mW (EIRP Nom.)</td>
<td>CDMA: 400mW (EIRP Nom.)</td>
</tr>
<tr>
<td>RX: 869-894 MHz</td>
<td>&gt;116dBm @ 12dB S inad</td>
<td>&gt;104 dBm @ .05% FER</td>
</tr>
<tr>
<td>RX: 1930-1990 MHz</td>
<td>&gt;116dBm @ 12dB S inad</td>
<td>&gt;104 dBm @ .05% FER</td>
</tr>
</tbody>
</table>

**Receiver Sensitivity:**
- AMPS: >116dBm @ 12dB S inad
- CDMA: >104dBm @ 0.5% 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°F to 140°F)
  - Storage: -40°C to +70°C (-40°F to 160°F)

- **Humidity:**
  - 0-95% (non-condensing) 95°F (35°C)