



*Keeping you connected*

## IIM 2000Z Cell Router

IIM's Z Series line of Cell Router provides OEM and VAR users with a cost effective version of the popular 4 port Cell Router platform. The 2000Zx supports 1xRTT low speed communications for telemetry, RTU and PLC type applications. While the 2000Z offers EV-DO broadband performance with seamless 1xRTT fallback for mobile office and digital media applications. The 2000Zx /2000Z is a completely self-contained industrial strength IP router based on the reliable Linux operating system and a tightly coupled, always available CDMA WAN interface. IIM Cell Router's extensive IP networking capabilities and detailed status screens are all available through an intuitive

web based interface so that your application will be online within minutes after powering up.

Optional applications are available to enhance network management capabilities, enable GPS applications, and graphically render RTU inputs through the web interface.

Moreover, IIM provides OEM and VAR customers with the tools and support necessary to build end-point applications.

### Platform

- Linux 2.6 OS
- 100MIPS RISC Processor
- HTTP, FTP, and Telnet Access
- Remote (WAN) Management – Can be disabled

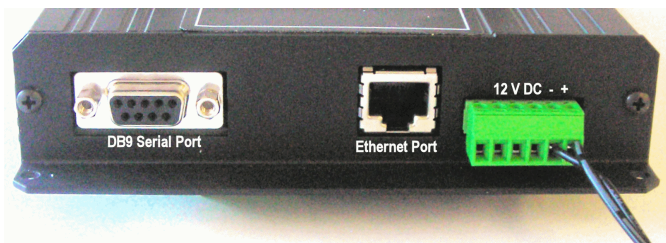
### Router

- DHCP Server
- DHCP Client
- NAT – Can be disabled
- Port Forwarding

### CDMA 1xRTT/EV-DO WAN Interface

- Packet transmission at air interface speed
- Full function firewall
- Dynamic or Static Wireless Network Addressing
- DNS - Preset or from Wireless network
- SMS – Two-Way Built In Command Set
- DDNS (BIND, Windows Server, or EW/UDP)
- OTA/IOTA/OMA Activation—Web Based

## 2000Z Back



- Reliable Linux 2.6 OS
- 2000Zx - 1XRTT WAN Interface
- 2000Z - EVDO/1XRTT WAN Interface
- WAN—Always Available or On Demand
- Ethernet (RJ-45) port
- RS-232 Serial port
- Additional Serial application port
- Discrete Input Output interfaces
- Web Based Administration Remote/Local

## 2000Z Front



- VPN Pass Through
- TCO Plus (Optional)
  - ⇒ Over The Air Firmware Upgrades
  - ⇒ Over The Air Status
  - ⇒ Detailed Network Logging
  - ⇒ Out Of Band (SMS) Control
  - ⇒ Push Button Configuration
  - ⇒ Built In DDNS Capabilities



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## Specifications

### Wireless WAN

#### Physical

SMA Antenna connector (X2 for 2000Z, X1 for 2000Zx)

#### Radio Interface

CDMA 1x EV-DO (IS 856) - 2000Z only

CDMA 1xRTT (IS2000)

Dual Band (800Mhz & 1.9Ghz)

Dual Band Receive Diversity

Two Way SMS capable

### LAN

#### Physical

Ethernet—RJ45

Auto, Full or Half Duplex

10 or 100 base T—Auto polarity sensing

Serial—RS232

Serial—Application port (GPS, etc)

### Discrete I/O

#### Contact Closure (Input)

#### Relay Driver (Output)

### Power and Environmental

#### Operating and Storage Temperature Range

-20C to +70C Humidity 90% non-condensing

#### Input Power

9—18VDC  $\pm$ 10%

#### Power Consumption @12VDC nominal

CDMA Radio Off—160ma

CDMA Radio On Data Channel Inactive 210ma

CDMA Radio On Data Channel Active (Ethernet Port active) 324ma

### Dimensions

4.5"L x 5.3"W x 1.2"H. Weight: 10oz.



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