



Ctek Z4200 EVDO Rev A/1xRTT Private Label Router

Ctek's Z Series line of SkyRouters provide OEM and VAR users with a cost effective private label version of the popular SkyRouter platform. The Z4200 provides EV-DO broadband performance with seamless 1xRTT fallback, a wide selection of LAN side communications options including USB host, and the entire range of application extensibility round out a platform that has made the SkyRouter an industry leader.

The Z4200 is a completely self-contained industrial strength IP router based on the reliable Linux operating system and a tightly coupled, always available EVDO/1xRTT WAN interface. SkyRouter'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.

The Z4200 comes standard with built in GPS and is available with an optional IPsec capabilities package for secure communications.

Optional applications are available to enhance network management capabilities and enable GPS server applications. Moreover, Ctek provides OEM and VAR customers with the tools and support necessary to build end-point applications.

Platform

- Linux 2.6 OS
- 100MIPS RISC Processor
- Built in GPS
- HTTP, FTP, and Telnet Access

Router

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

- IPsec - secure tunnels over public networks

Cellular 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

Z4200S Front



- Reliable Linux 2.6 OS
- Z4200 - EVDO/1XRTT WAN Interface
- WAN—Always Available or On Demand
- Ethernet (RJ-45) port
- RS-232 Serial port
- RS-485
- USB Host - Z4200U model
- Additional Auxiliary serial application port
- Discrete Input Output interfaces

Z4200S Back



- Web Based Administration Remote/Local
- 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

Built in GPS Receiver - standard
Available IPsec - order option

Wireless WAN

Physical

SMA Antenna connector (X2 for diversity)

Radio Interfaces

CDMA 1x EV-DO (IS 856)

CDMA 1xRTT (IS2000)

Dual Band (800Mhz & 1.9Ghz)

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)

Serial - RS485

USB Host - On Z4200U model

Discrete I/O

Contact Closure (Input)

Relay Driver (Output)

Power and Environmental

Operating and Storage Temperature Range

-30C to +70C Humidity 90% non-condensing

Input Power

9 - 24 VDC

Power Consumption @12VDC

Radio Dormant - Ethernet connected - 106ma

Radio Transmitting - Ethernet connected - 160ma

Dimensions— Z4200S: 4.5"L x 5.3"W x 1.2"H. Weight: 10oz.
Z4200U: 5.25"L x 5.3"W x 1.2"H. Weight: 12oz.

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