



# Ctek Z4300 GPRS/EDGE Private Label Router

With well over 85% of the global market share and over 50% of the US market the GSM network data technologies are the right answer for many applications. Ctek's 4300 is a true global solution providing GPRS and EDGE data connectivity over four frequency bands. The Z4300 is a completely self-contained industrial strength IP router based on the reliable Linux operating system and a tightly coupled, always available GPRS/EDGE WAN interface. SkyRouter's extensive IP networking capabilities and detailed status screens are all available through the same intuitive web based user interface found on all SkyRouters and the same rich set of administrative and management features are

available in the TCOPlus package. Of course the industrial strength features that have made previous SkyRouters the gold standard of reliability are all in the 4300 along with some new ones like a rugged slide out SIM carrier socket that maintains positive contact under extreme conditions to eliminate a common source of post-deployment faults. With GPRS + EDGE performance and SkyRouter's built in reliability the 4300 is the right solution for your global GSM network needs.

### 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

### 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)
- High reliability SIM carrier socket

## Z4300S/U Front



## Z4300U Back



- Reliable Linux 2.6 OS
- EDGE WAN Interface
- Automatic fallback to GPRS
- WAN—Always Available or On Demand
- Ethernet (RJ-45) port
- RS-232 Serial port
- USB Host - Z4300U Model
- Additional Serial application port
- Discrete Input Output interfaces
- Web Based Administration Remote/Local

- VPN Pass Through
- SMS—MO/MT
- 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



*Z Series*  
*SkyRouter*

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## Specifications

### Wireless WAN

#### Physical

SMA Antenna connector

#### Radio Interface

Radio—Cinterion MC75i

GSM/GPRS/EDGE—Quad band 850/900/1800/1900 MHz

EDGE (E-GPRS) - Multi-slot class 12

GPRS—Multi-slot class 12

GSM—Release 99

SMS—MO/MT

### LAN

#### Physical

Ethernet—RJ45

Auto, Full or Half Duplex

10 or 100 base T—Auto polarity sensing

Serial—RS232

Serial—Application port (GPS, etc)

USB Host—Z4300U

### 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** — Z4300S: 4.5"L x 5.3"W x 1.2"H. Weight: 10oz.  
Z4300U: 5.25"L x 5.3"W x 1.2"H. Weight: 12oz.

**Designed and Manufactured in the USA by:**

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