



Ctek Z4400 HSPA/UMTS Private Label Router

With download speeds of up to 7.2 Mbps and uploads peaking at 2 Mbps Ctek's 4400 combines the blazing performance of HSPA with the rock solid reliability of the SkyRouter platform. Supporting 3 frequency bands for WCDMA (UMTS/HSPA) broadband and 4 frequency bands for GPRS/EDGE the 4400 is a mature global solution to meet all of your high performance data requirements. Built in GPS provides positioning for AVL/LBS applications. 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 4400 offers the same web based intuitive user interface found on all SkyRouters and the same rich set of administrative and management capabilities are available in TCOPlus. Of course the industrial strength features that have made previous SkyRouters the gold standard of reliability are all in the 4400, ready to go to work for you. System designers may also wish to take advantage of SkyRouter's Linux operating system and no charge development tools to deploy end point applications that make the most of the 4400's outstanding wireless throughput. Whatever your application if it requires a rugged HSPA solution look no further. The Ctek 4400 is available to meet your needs.

Platform

- Linux 2.6 OS
- 100MIPS RISC Processor
- Built-in GPS
- 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

Z4400U Front



Z4400U Back



- Reliable Linux 2.6 OS
- HSPA/UMTS WAN Interface
- Automatic fallback to EDGE/GPRS
- Built-in GPS
- WAN—Always Available or On Demand
- Ethernet (RJ-45) port
- RS-232 Serial port
- USB Host
- 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



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Specifications

Wireless WAN

Physical

SMA Antenna connector

GPS - Built In

Radio Interface

Radio—Sierra MC8790

UMTS with HSPA Category 8 (7.2 Mbps downlink)

HSPA/UMTS—850/1900/2100 MHz

GPRS/EDGE - 850/900/1800/1900 MHz Multi-slot class 12

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

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 — Z4400U: 5.25"L x 5.3"W x 1.2"H. Weight: 12oz.

Designed and Manufactured in the USA by:

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