



Ctek Series M4400E HSPA/UMTS/EDGE/GPRS Router

Ctek's Series 4400 SkyRouter brings the broadband performance of HSPA and a built in GPS receiver to the legendary SkyRouter platform. The Series 4400 reliably extends your IP network by replacing wired solutions for primary connections, and as a back up network when failures aren't an option. SkyRouter is a completely self-contained industrial strength IP router based on the reliable Linux operating system and a tightly coupled, always available HSPA/UMTS WAN interface with GPRS/EDGE fallback. SkyRouter's extensive IP networking capabilities and de-

tailed status screens are all available through an intuitive web based interface so that your application will be online within minutes after powering up. Like all SkyRouter products the 4400 comes standard with Ctek's unique TCO Plus feature set, the wireless industries' first and only complete solution specifically designed to reduce the ongoing operational costs inherent in industrial wireless networks.

Platform

- Linux 2.6 OS
- GPS
- IPsec available as an option
- HTTP, FTP, and Telnet Access
- Remote (WAN) Management – Can be disabled

Router

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

HSPA/UMTS/EDGE/GPRS WAN Interface

- Packet transmission at air interface speed
- 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 Activation—Web Based
- IPsec (option) for secure communications

SkyRouter 4400E Back



- Reliable Linux OS
- HSPA/EDGE/GPRS WAN Interface
- Built in GPS receiver
- WAN—Always Available or On Demand
- Integrated 4-Port Ethernet Switch
- Relay Contact Input
- Relay Driver Output
- 2-Way SMS
- Web Based Administration Remote/Local

SkyRouter 4400E Front



- IPsec available
- VPN Pass Through
- TCO Plus
 - ⇒ 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

GPS Receiver—standard
IPsec—available

Wireless WAN

Physical

SMA Antenna connector

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

4-Port Ethernet—RJ45

Electrical

Auto, Full or Half Duplex

10 or 100 base T—Auto polarity sensing

Discrete I/O

Contact Closure (Input)

Self powered current limited loop—Maximum cable length 50 feet

Relay Driver (Output)

40ma @ 12VDC

Power and Environmental

Operating and Storage Temperature Range

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

Input Power

9 - 24VDC

Power Consumption @12VDC

Radio Dormant - Ethernet connected - 106ma

Radio Transmitting - Ethernet connected - 160ma

Designed and Manufactured in the USA by:

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