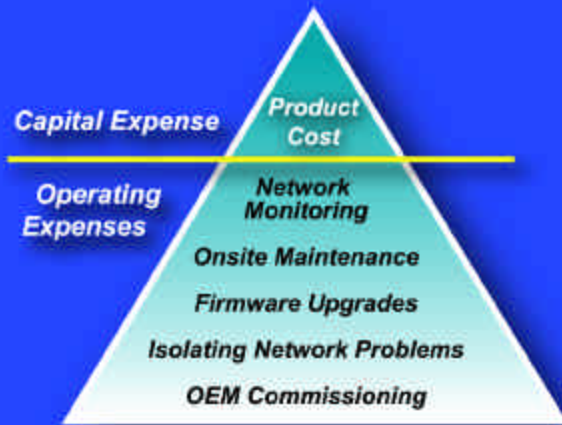


# **TCO Plus**

**Putting the "Return"  
in wireless ROI**

The true cost of deploying a wireless IP network is not in the initial capital product investment, but in the on-going operational costs. TCO Plus reduces on-going operational costs associated with industrial IP networks by incorporating an array of remote over-the-air (OTA) management tools to control, troubleshoot, and manage wireless endpoints.



- ▶ *OTA web-based administration*
  - ▶ *SMS out-of-band command set*
  - ▶ *OTA automatic firmware updates*
  - ▶ *OTA network operations*
  - ▶ *Extensive network logging*
  - ▶ *Pushbutton configuration*
- Standard on all SkyRouters*



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## **Ctek SkyRouters**

**Wireless Solutions Extending  
Industrial IP networks  
Over the Horizon**



# Ctek SkyRouters

*Wireless Products Extending Industrial IP Networks Over the Horizon*



Ctek SkyRouters provide cellular/PCS communications to extend IP networks "Over the Horizon," for a wide variety of remote and mobile industrial applications.

## **4200 E**

### *Wireless Broadband with A-GPS*

The 4200E SkyRouter incorporates CDMA EV-DO technology to provide high-speed network connectivity in applications where fast downloads of large amounts of data are of paramount importance. The 4200E is ideal in applications such as law-enforcement, public safety, data-center backups and disaster recovery.

The SkyRouter also supports Assisted Global Positioning (A-GPS), a network positioning technology widely deployed for wireless E9-1-1. A-GPS employs the power of the wireless network to provide precise positioning even in environments such as urban canyons and parking garages where conventional GPS would be unreliable. The integration of A-GPS and broadband wireless data makes this SkyRouter the ideal platform to address applications such as mobile service trucks, emergency vehicles, and fleet management.

## **4100 E**

### *1xRTT Wireless Ethernet*

The 4100E SkyRouter provides a 4-port Ethernet switch with 1xRTT connectivity to extend IP Networks. The 4100E is ideal for industrial control, out-of-band monitoring, remote monitoring, security and surveillance.

## **4100 S**

### *Multi-Protocol Wireless Networking*

The 4100S SkyRouter provides both serial and Ethernet connectivity via 1xRTT. Serial interfaces typically support legacy communications such as RTU/PLC connections, modem replacement and remote instrumentation. This model also supports simultaneous Ethernet connections.

## **4300S**

### *Secure Wireless IP Networking*

The 4300S provides built-in IP Security and L2 tunneling for applications such as financial, point-of-sale, and ATM terminals as well as other applications requiring secure monitoring and control. Always-on 1xRTT is provided via both serial and Ethernet connections.

\* Available September 2006

### *SkyRouter Feature & Specification Comparison*

	4100S	4100E	4200E	4300S
<i>Wireless Interface</i>				
Antenna(s) SMA (removable)	X	X	X	X
Antenna diversity	--	--	X	--
CDMA/1xRTT	X	X	--	X
CDMA/EV-DO with 1xRTT fallback	--	--	X	--
<i>LAN Interfaces</i>				
Single Ethernet - RJ45 auto/full/half duplex	X	--	--	X
4-port Ethernet switch - RJ45 auto/full/half duplex	--	X	X	--
RS232 - DB9 to 115.2Kbs full modem control	X	--	--	X
RS485 to 115.2Kbs 2 or 4 wire full/half duplex	X	--	--	X
USB - USB1.1 host connection	X	--	--	X
IPSec tunneling - built In				X
<i>Discrete Interfaces</i>				
Dry contact input	X	X	X	X
Open drain digital output	--	X	X	X
<i>Controller</i>				
Processor - Axis Etrax	X	X	X	X
Operating system - Linux 2.4	X	X	X	X
<i>Packaging</i>				
Dimensions: 5.275"L x 5.225"W x 2.08"H	X	X	X	X
Weight: 14oz. extruded aluminum case	X	X	X	X
<i>Environmental &amp; Power</i>				
Operating temperature range: - 20C to +70C	X	X	X	X
9 - 18VDC ±10%	X	X	X	X
Power consumption radio off	150ma	180ma	180ma	180ma
CDMA radio on - data inactive	200ma	230ma	230ma	230ma
CDMA radio on - data active 1 Ethernet port	300ma	390ma	390ma	310ma
CDMA radio on - data active 4 Ethernet ports	--	445ma	445ma	--