EKI-1642I

Industrial Cellular Router

Features

- 4G LTE cellular connectivity with dual SIM card design
- Cellular/Ethernet uplink failover
- Supports NAT, router, and bridge network types
- Supports IPsec, OpenVPN, PPTP, L2TP, GRE VPN tunnel
- Supports SMS/SNMP/e-mail remote management
- Wide operating temperature
- Compact size for installation

Introduction

The EKI-1642I industrial cellular router provides secure and stable Internet connectivity. It supports various network protocols, NAT, firewall, and routing features while presenting a compact design. In addition to features such as automatic failover for wired/wireless networks, the EKI-1642I provides wireless connectivity for industrial and commercial networks where building up network infrastructure may be impractical. Under the high throughput of 150 Mbps with LTE CAT4 and with a secure VPN tunnel, the EKI-1642I allows you to establish a remote branch and surveillance network that offers stable performance.

Specifications

Standard Support

WAN	WAN cellular, Ether-WAN, Wi-Fi (optional), and failover support
LAN	2 x RJ45 FE (EKI-1642I) 2 x RJ45 FE (EKI-1642WI)
SIM	Dual SIM Card (Failover / Failback)
Cellular Band	LTE FDD: 850/900/1800/2100 MHz LTE TDD: 1900/2300/2500/2600 MHz WCDMA: 850/900/2100 MHz TD SCDMA: 2010 ~ 2025 MHz and 1880 ~ 1920 MHz GSM: 900/1800 MHz
SDcard	log storage
(Optional)	GPS
(Optional)	Wi-Fi Standard: IEEE 802.11b/g/n Mode: AP router Functions: WMM Security: WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x

Physical Specifications

Power	5 ~ 18 V_{DC} (DC Jack) Package with power adapter (5 V_{DC} @ 2 A)
Dimensions (L x W x H)	93 x 90 x 27 mm
Mounting	Wall

Environment

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Operating Temp.	-30 ~ 70°C
Storage Temperature	-40 ~ 85°C (-40 ~ 184°F)
Humidity	10% ~ 95% non-condensing

Antenna

- 2 x SMA(F) for cellular connectivity
- 2 x 3dBi 3G/LTE antennas
- 1 x 3dBi Wi-Fi antenna (optional)

Other Features

Management	Web, Telnet CLI, command script, TR-069, SNMPv3 standard
Security	VPN: IPSec, OpenVPN, PPTP, L2TP, GRE Firewall: SPI firewall with stealth mode, IPS Access Control: Packet filter, URL blocking, MAC filter
VLAN	Port-based, tag-based VLAN
Routing	Static, Dynamic: RIP1/RIP2, OSPF, BGP
Port Forwarding	Virtual server, virtual computer, DMZ, VPN pass-through
Cellular Toolkit	Data usage, SMS, SIM PIN, network scan
Event Handling	User-defined event management/notification; SMS, mail, syslog, SNMP trap
Diagnostics	Packet analyzer, diagnostics tools

Dimensions

Unit: mm [in.]

90
80
3.50
Ø6.50
63
84
93.0
Ø3.50
27
70
27

LAN1 / WAN   LAN2   PWR
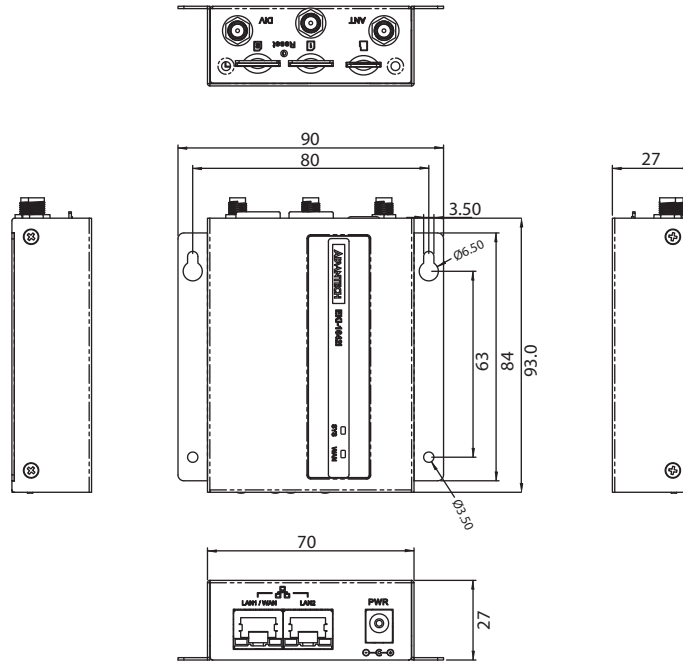
Ordering Information

- **EKI-1642I-A**   Industrial LTE Router w/GPS
- **EKI-1642WI-A**   Industrial LTE Router w/Wi-Fi