

# 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<sub>DC</sub> (DC Jack)  
Package with power adapter (5 V<sub>DC</sub> @ 2 A)
- **Dimensions (L x W x H)** 93 x 90 x 27 mm
- **Mounting** Wall

#### Environment

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

#### Antenna

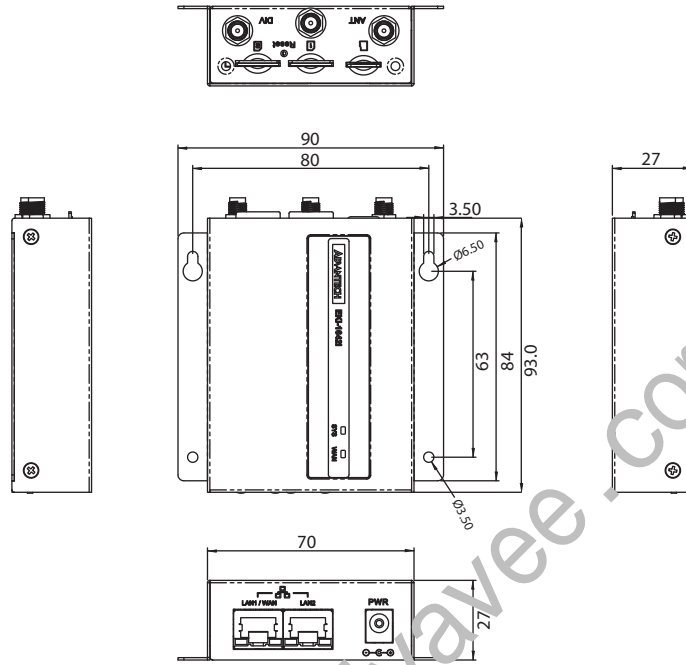
- 2 x SMA(F) for cellular connectivity
- 2 x 3dBi 3G/LTE antennas
- 1 x 3dBi Wi-Fi antenna (optional)

#### 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.]



## Ordering Information

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