EKI-1654I

Industrial Cellular Router

Features

- 4G LTE Cellular connectivity with Dual SIM card design
- Support wide temperature from -40 ~ 70°C
- Design with redundant 9V ~ 48V$_{DC}$ power input
- Flexible design with serial interface for Modbus RTU and serial communication protocol
- DI /DO for device triggering or event reporting
- Support IPSec, OpenVPN, PPTP, and L2TP VPN
- Firewall with SPI and IPS function prevent hacker attacking and enhance network efficiency

RoHS
COMPLIANT
2011/65/EU

Introduction

EKI-1654I Industrial cellular router provides secure Internet connectivity for devices and LANs via the cellular networks. It can provide automatic wireless failover for wired networks, wireless connectivity for devices in remote locations where cable connections are impractical and wireless connectivity for mobile assets. With upload speeds of up to 50 Mbps and download speeds of up to 150 Mbps, EKI-1654I provides ample bandwidth,even for applications that require video.

Specifications

Standard Support

- **WAN**   Multiple WANs, Failover/Load Balance
- **LAN**   Up to 4x ETH port, RJ45, 10/100Mbps
  Selectable 1WAN/3LAN or 4 LAN
- **SIM**   Dual SIM Card (Failover / Failback)
- **Cellular Band**   LTE: Band1/3/8/38/39/40/41
  TDSCDMA: Band34/39
  UMTS:Band1/8
  GPRS/EDGE: Band3/8
- **Serial Interface**   DB9 Male x 1 (RS232/485)
- **Console**   RS-232 (RJ12)
- **Digital input**   Logic 0: 0~2V, Logic 1: 5V~30V
- **Digital output**   Relay Mode, up to 30V / 1A

Physical Specifications

- **Power**   9~ 48 V$_{DC}$
- **Power Consumption**   Max. 15.5W
- **Dimensions (W x L x H)**   110 x 187 x 31 mm
- **Mounting**   Wall
- **Weight**   0.5 Kg

Environment

- **Operating Temp.**   -40 ~ 70°C (-40 ~ 158°F)
- **Storage Temperature**   -40 ~ 85°C (-40 ~ 184°F)
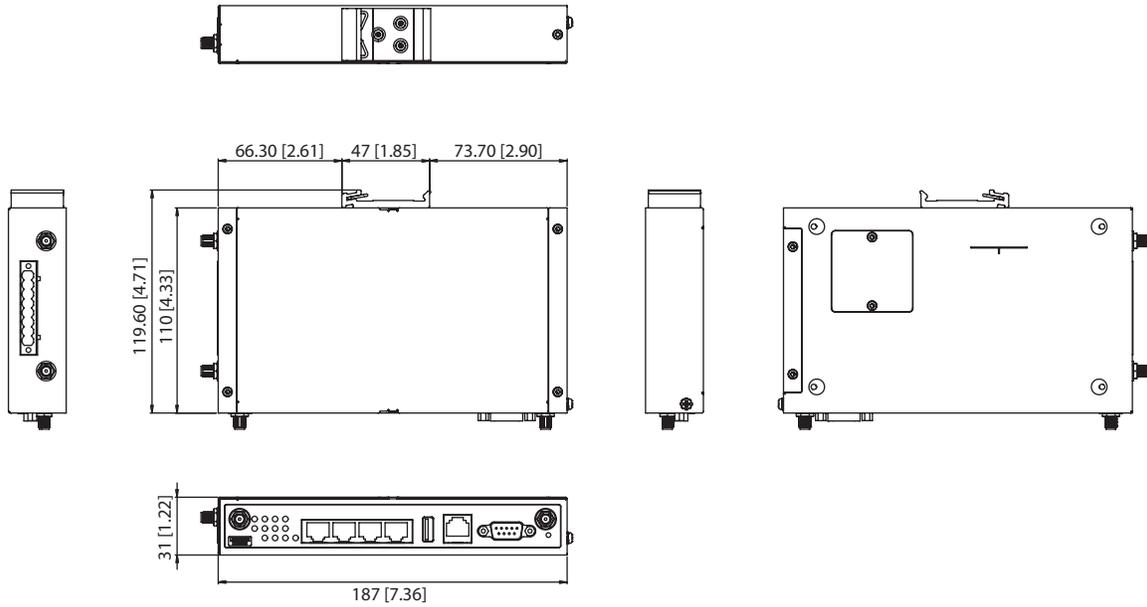- **Humidity**   10% ~ 95% non-condensing

Antenna

- Default external 3 dBi Omni antenna
- 2 x SMA Female Connectors for SMA antenna

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
- **Serial COM**   RFC2217, TCP Client, TCP Server, UDP
- **Modbus**   Modbus Slave; Modbus Gateway for Modbus TCP, Modbus RTU/ASCII Master/Slave Access
- **Event Handling**   Managing / Notifying Events; DI, DO, SMS, Modbus, Syslog, SNMP Trap, Email Alert, Reboot
- **Diagnostic**   Packet Analyzer, Diagnostic Tools

ADVANTECH   Industrial Ethernet Soultions

All product specifications are subject to change without notice.   Last updated: 13-Feb-2019

Dimensions

Unit: mm [inch]

66.30 [2.61]   47 [1.85]   73.70 [2.90]

119.60 [4.71]

110 [4.33]

31 [1.22]

187 [7.36]

Ordering Information

- **EKI-1654I-A**   Industrial LTE router