# EKI-1334

## Industrial Ethernet/Serial Router

**NEW**



5 Year Warranty | RoHS COMPLIANT 2002/95/EC | CE | FCC

## Features

- Universal five-band UMTS/HSPA+ 850/900/1800/1900/2100 MHz
- Universal quad-band GSM/GPRS 850/900/1800/1900 MHz
- Connect Ethernet and Serial Devices over VPN
- Dual WAN (Ethernet WAN and Cellular WAN) for redundancy
- Built-in 15 KV ESD protection for all serial signals
- Multiple configuration methods: Serial console, Telnet, and Web console

## Introduction

The EKI-1334 is a compact designed industrial cellular routers which can help users quickly access high-speed Internet and support secure and reliable data transmission. The products combine together with the functions of switch, serial device server, 3G Router, IP modem and Advanced VPN client and provide with high cost-effective solution for applications in industrial automation and control, fleet monitoring, video surveillance, advertising media, and outlets networking. They allow nearly any device with serial or Ethernet ports to connect and share a cellular network with easy and simple configuration through the browser without connection to the router by cable. EKI-1334 HSPA+ IP Router is compact, and can be DIN-rail or wall mounted for easy identification. They come with dual DC power input from 9 to 26 $V_{DC}$ and have 2 KV EFT/Surge protection to prevent damage from various type of power resources. The ESD protection of serial port is 15kV, and which is 1.5 kV for Ethernet ports line protection to keep your system safe from unexpected electrical discharges and enable the capability to work under harsh conditions.

## Specifications

### LAN Interface

- **Ethernet**        10/100 Mbps, auto MDI/MDIX
- **Connector**       RJ45
- **Protection**      1.5 KV built-in magnetic isolation protection
- **No. of Port**     4

### Cellular Interface

- **Standards**       HSPA+/UMTS/GPRS/GSM
- **Band Option**     850/900/1800/1900/2100 MHz
- **No. of SIM**      1
- **SIM Control**     3 V
- **SMA Connector**   SMA Female with inner pin

### Ethernet WAN Interface

- **Ethernet**        10/100 Mbps, auto MDI/MDIX
- **Connector**       RJ45
- **Protection**      1.5 KV built-in magnetic isolation protection
- **No. of Port**     1

### Serial Communications

- **Port Type**       RS-232
- **No. of Ports**    1
- **Port Connector**  DB9 female
- **Data Bits**       6, 7, 8
- **Stop Bits**       1, 2
- **Parity**          None, Odd, Even
- **Baud Rates**      110/300/600/1200/2400/4800/9600/19200/38400/57600/115200 bps
- **Serial Signals**  RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND
- **Protection**      15 KV ESD for all signals

### General

- **LED Indicators**  System: Power, Status, Warn, Error
                      Cellular: Three Levels of Cellular Signal Strength
                      Ethernet: Speed, Link/Active
- **Reboot Trigger**  Built-in WDT (watchdog timer)

### Software

- **Operating Modes** TCP/UDP server mode, TCP/UDP client mode, IP Router w/ VPN
- **Configuration**   Telnet console, Web Browser
- **Protocols**       ARP, ICMP, PPP, IPv4, TCP, UDP, BOOTP, DHCP Client, DHCP Server, Auto IP, SNTP, SMTP, Ping, Trace, DNS Relay, DDNS, Telnet, HTTP, HTTPS, VRRP, VPN (IPSec/SSL/PPTP/L2TP/GRE/VPN)
- **Network Security** SPI, DDoS protection, Stateless Packet Inspection, Filtering Multicast/Ping package, Access Control List (ACL), NAT, DMZ, Port mapping, NAT, PAT,
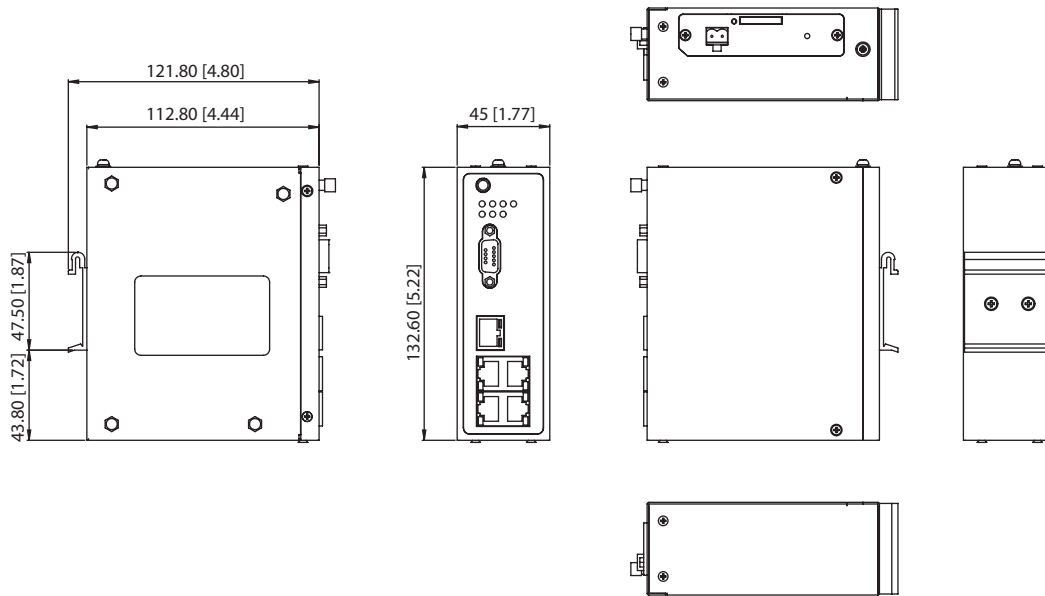
### Mechanics

- **Dimensions (W x H x D)** 113 x 45 x 133 mm (4.45" x 1.8" x 5.24")
- **Enclosure**       Metal with solid mounting hardware
- **Mounting**        DIN-rail, Wall
- **Weight**          0.34 Kg

### Power Requirements

- **Power Input**     9 ~ 26 $V_{DC}$
- **Power Connector** Terminal block
- **Power Consumption** 3.48W
- **Power EFT/Surge Prot.** 2 KV

## Dimensions

Unit: mm [inch]

121.80 [4.80]

112.80 [4.44]

47.50 [1.87]

43.80 [1.72]

45 [1.77]

132.60 [5.22]

### Environment

- **Operating Temperature** -20 ~ 70°C (-5 ~ 160°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% RH

### Regulatory Approvals

- **EMC** EN61000-4-2,level 2
  EN61000-4-3,level 2
  EN61000-4-4,level 2
  EN61000-4-5,level 2
  EN61000-4-6,level 2
  EN61000-4-12, level 3
- **Shock** IEC60068-2-27
- **Free Fall** IEC60068-2-32
- **Vibration** IEC60068-2-6

## Ordering Information

- **EKI-1334** Industrial HSPA+ IP Router