

EKI-6333AC Series

IEEE 802.11 a/b/g/n/ac Wi-Fi AP



Features

- Support 802.11n MIMO 2T2R
- WLAN transmission rate up to 867 Mbps
- Supports secure access with WEP, 802.1x, WPA/WPA2-Personal, WPA/WPA2-Enterprise
- Provides Web-based configuration
- Support Dual band 2.4G/5G selective

Introduction

The EKI-6333AC is a feature rich wireless AP with din-rail type design which provides a reliable wireless connectivity for industrial environments. As an 802.11n compliant device, EKI-6333AC provides 6 times higher data rates than legacy 802.11g devices.

With the support of WMM, EKI-6333AC effectively improves the reliability of wireless connectivity, especially in applications that need high reliability and high throughput data transmission. To secure wireless connections, EKI-6333AC implements the latest encryption technologies including WPA2/WPA/802.1x for powerful security authentication.

Specifications

Ethernet Communications

- **Port Type** RJ45
- **No. of Ports** 1
- **Speed** 10/100/1000 Mbps

Wireless LAN Communications

- **Compatibility** IEEE 802.11a/b/g/n/ac
- **Speed** Up to 867Mbps
- **Network Mode** Infrastructure
- **Antenna Connector** Reverse SMA
- **No. of Antenna** 2 (supports 2T2R)
- **Free Space Range** Open space 100 m
- **Wireless Security** WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise

Software

- **OS Support** 32-bit/64-bit Windows XP/Vista/7/8/8.1/10, Windows Server 2003/2008/2008 R2/2012/2012 R2 and Linux
- **Operation Modes** Access Point mode
- **Configuration** Web Browser
- **Protocol** ARP, ICMP, IPv4, TCP, UDP, DHCP Client, DNS, HTTP, NTP

Mechanics

- **Enclosure** Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall
- **Dimensions (W x H x D)** 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")
- **Weight** 0.5 Kg

General

- **LED Indicators** System: Power, System Status
WLAN: Quality, Link/Active
LAN: Link/Active
- **Reboot Trigger** Built-in WDT (watchdog timer)

Power Requirements

- **Power Input** 12 ~ 48 V_{DC}, redundant dual inputs
- **Power Connector** Terminal block
- **Power Consumption** 8W

Environment

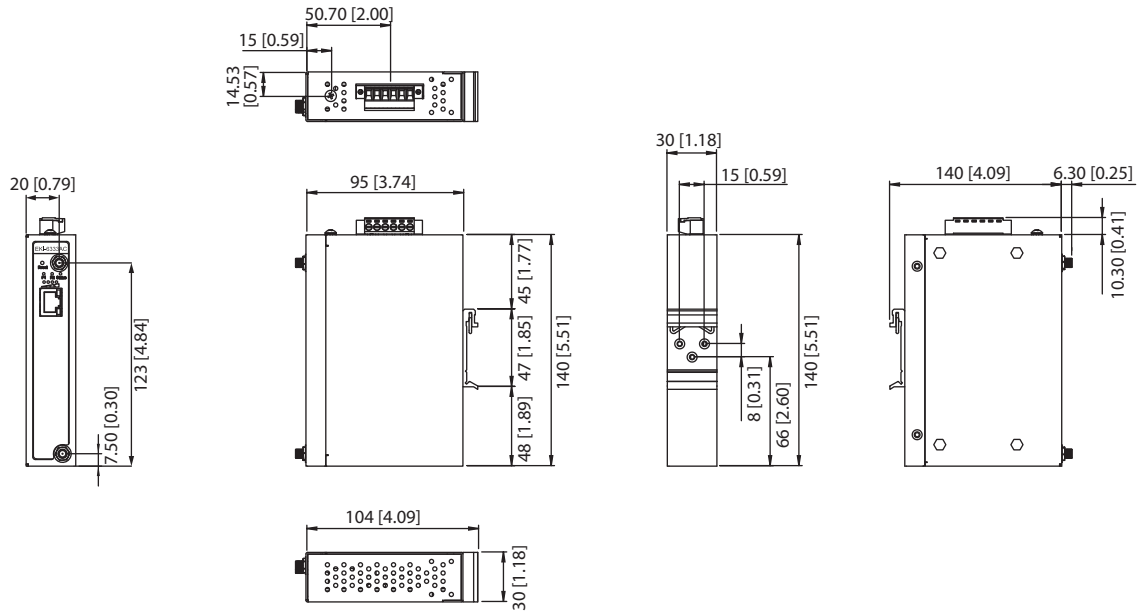
- **Operating Temperature** -40 ~ 75°C (-40 ~ 166°F)
- **Storage Temperature** -40 ~ 80°C (-40 ~ 176°F)
- **Operating Humidity** 10 ~ 95% RH

Regulatory Approvals

- **EMC** CE, FCC Part 15 Subpart B (Class B)

Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions: 30 x 140 x 104 mm (1.18" x 5.51" x 4.09")

Wireless Transmission Rates

- Receiver Sensitivity
 - 802.11a -75 dBm@54Mbps
 - 802.11b -85 dBm@11Mbps
 - 802.11g -75 dBm@54Mbps
 - 802.11n HT20(2.4GHz): -74 dBm@MCS7
 - 802.11n HT40(2.4GHz): -71 dBm@MCS7
 - 802.11n HT20(5GHz): -72 dBm@MCS7
 - 802.11n HT40(5GHz): -70 dBm@MCS7
 - 802.11ac VHT80 -61 dBm @MCS9

Ordering Information

- EKI-6333AC 802.11 a/b/g/n/ac Wireless AP/Client (US)
- EKI-6333AC-EU 802.11 a/b/g/n/ac Wireless AP/Client (EU)