EKI-6333AC-2GD Series

IEEE 802.11 a/b/g/n/ac Wi-Fi Access Point

CE FCC RoHS

Features

- Supports 802.11ac MIMO 2x2
- WLAN transmission rates up to 1167 Mbps
- Supports secure access with WEP, 802.1x, WPA/WPA2-Personal, WPA/WPA2-Enterprise
- Provides Web-based configuration
- Supports dual band 2.4/5GHz concurrent

Introduction

The EKI-6333AC-2GD is a feature rich wireless Access Point with DIN-rail type design which provides a reliable connectivity for industrial environments. With the support of STP, WMM and IGMP snooping protocols, EKI-6333AC-2GD improves the reliability of wireless connectivity, especially in applications requiring high reliability and data throughput transmission. To secure the wireless connection, EKI-6333AC-2GD implements the latest encryption technologies, including WPA2/WPA/802.1x for powerful security authentication.

Specifications

Ethernet Communications

- **Port Type** RJ45
- **No. of Ports** 2
- **Speed** 10/100/1000 Mbps

Wireless LAN Communications

- **Compatibility** 2.4GHz: IEEE 802.11 b/g/n
5GHz: IEEE 802.11 a/n/ac
- **Speed** 5GHz:867Mbps, 2.4GHz:300Mbps (Max)
- **Network Mode** Infrastructure
- **Free Space Range** Open space 100 m
- **Wireless Security** WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise

Software

- **Management** Telnet, FTP, SNMP, Web UI, SSH
- **Wireless** Radio on/off, WMM, output power control, beacon interval, RTS/CTS threshold, DTIM interval
- **Operation Modes** Access point mode, client, repeater
- **Configuration** Web browser
- **Protocol** ARP, ICMP, IPv4, IPv6, TCP, UDP, DHCP client, DHCP server, Auto IP, Telnet, DNS, SNMP, HTTP, DMZ, PPPoE, VPN passthrough, Telnet server, SSH server, FTP server, QoS

Antenna

- Default with 2 x external omni antenna
- 2 x Reverse SMA connectors for SMA antenna

Data Rates

- **802.11b** 11M, 5.5M, 2M, 1Mbps
- **802.11a/g** 54M, 48M, 36M,18M, 12M, 9M, 6Mbps
- **802.11n** HT20 MCS0~15 / HT40 MCS0~15
- **802.11ac** VHT80 MCS0~9

Mechanics

- **Enclosure** Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall
- **Dimensions (W x H x D)** 30 x 140 x 111.3mm (1.18" x 5.51" x 4.38")
- **Weight** 560g
- **IP rating** IP30

General

- **LED Indicators** System: Power
WLAN: Link/Active
LAN: Link/Active

Power Requirements

- **Power Input** 12 ~ 48 V_{DC}, redundant dual inputs
- **Power Connector** Terminal block
- **Power Consumption** 17W Max

Environment

- **Operating Temperature** -20 ~ 70 °C (-4~158°F)
- **Storage Temperature** -30 ~ 80°C (-22 ~ 176°F)
- **Operating Humidity** 10 ~ 95% RH

Regulatory Approvals

- **EMC** CE, FCC part 15 subpart B

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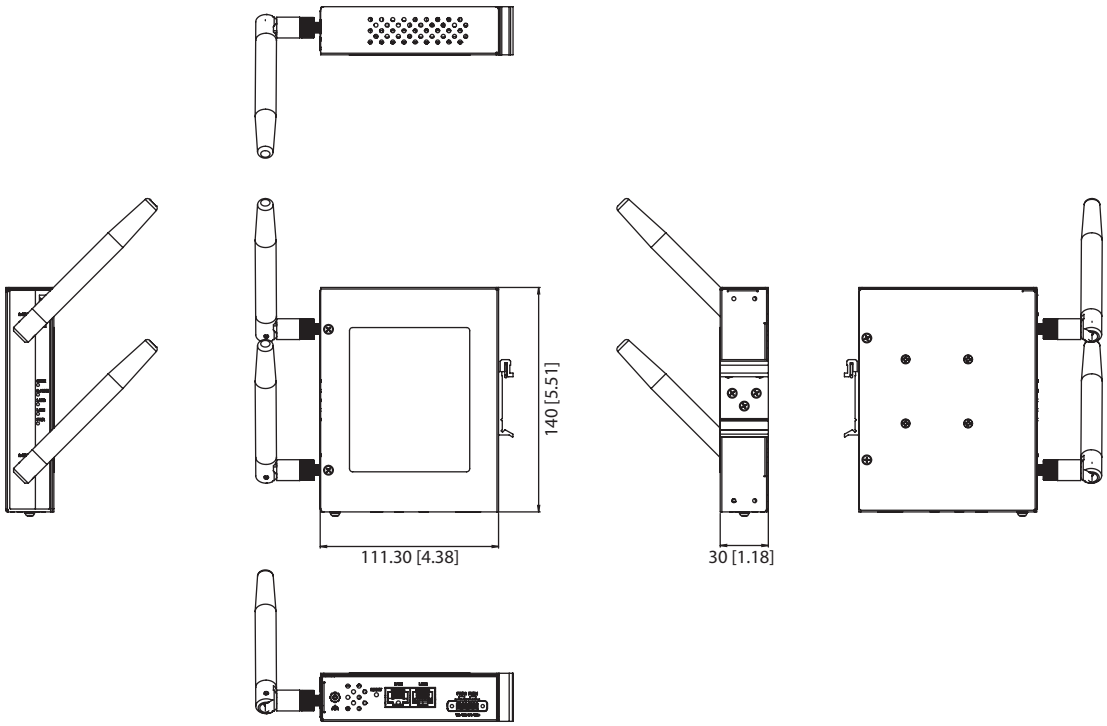
Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions: 30 x 140 x 111.3 mm (1.18" x 5.51" x 4.38")

Wireless Transmission Rates (Non-EU SKU)

- **Transmitted Power*** 802.11a 25.4 dBm@6Mbps
  802.11b: 25.8 dBm
  802.11g: 25.6 dBm@6Mbps
  802.11n HT20(2.4GHz): 25.6 dBm@MCS0/8/16
  802.11n HT40(2.4GHz): 20.7 dBm@MCS0/8/16
  802.11n HT20(5GHz): 25.2 dBm@MCS0/8/16
  802.11n HT40(5GHz): 25.3 dBm@MCS0/8/16
  802.11ac VHT80: 23.1dBm @MCS0
- **Receiver Sensitivity** 802.11a -92 dBm@6Mbps, -75 dBm@54Mbps
  802.11b: -96 dBm@1Mbps, -88 dBm@11Mbps
  802.11g: -91.5 dBm@6Mbps, -75 dBm@54Mbps
  802.11n HT20(2.4GHz): -91 dBm@MCS0, -73.5 dBm@MCS7
  802.11n HT40(2.4GHz): -88 dBm@MCS0, -71.5 dBm@MCS7
  802.11n HT20(5GHz): -91.5 dBm@MCS0, -72.5 dBm@MCS7
  802.11n HT40(5GHz): -88 dBm@MCS0, -70.5 dBm@MCS7
  802.11ac VHT80 -86 dBm @MCS0; -61 dBm @MCS9

*Note: The listed value is the target power calibrated in the card. The actual power will vary depending on each country's regulation

Ordering Information

- **EKI-6333AC-2GD-A** 802.11 a/b/g/n/ac Wireless AP/Client