# EKI-6333AC-2G Series

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



### **Features**

- Supports 802.11ac MIMO 2x2
- WLAN transmission rate up to 1167 Mbps
- Supports secure access with WEP, 802.1x, WPA/WPA2-Personal, WPA/WPA2-Enterprise
- Provides Web-based configuration
- Supports dual bands 2.4/5GHz concurrent
- IP55 waterproof certification



# Introduction

The EKI-6333AC-2G is a feature-rich wireless AP providing reliable wireless connectivity for industrial environments. The PoE injector enhances flexibility in deployment of this AP even where the DC power supply is hard to fulfill. As a 802.11n compliant device, EKI-6333AC-2G provides a data rate that is six times higher than legacy 802.11g devices.

With the support of STP, WMM and IGMP snooping protocols, EKI-6333AC-2G improves the reliability of wireless connectivity, especially in applications requiring high reliability and throughput data transmission. To secure the wireless connection, EKI-6333AC-2G implements the latest encryption technologies, including WPA2/WPA/802.1x for powerful security authentication.

# **Specifications**

#### **Ethernet Communications**

Port TypeNo. of PortsRJ45

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 Up to 1167Mbps
Network Mode Infrastructure
Free Space Range Open space 100 m

Wireless Security
WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise

#### Software

Management
Wireless
Telnet, FTP, SNMP, Web UI, SSH
Radio on/off, WMM, Output Power Control, Beacon Interval,

RTS/ CTS threshold, DTIM Interval Access Point mode, Client, Repeater

Operation Modes Access PointConfiguration 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 4 x external 5 dBi Omni antenna

4 x Reverse SMA connectors for SMA antenna

#### **Data Rates**

**802.11b** 11M, 5.5M, 2M, 1Mbps

802.11a/g
802.11n
54M, 48M, 36M,18M, 12M, 9M, 6Mbps
HT20 MCSO~15 / HT40 MCSO~15

802.11ac
VHT80 MCS0~9

### **Mechanics**

Enclosure PlasticMounting Wall, Pole

Dimensions (W x H x D) 191.6 x 114.3 x 47.7 mm (7.54" x 4.49" x 1.88")

Weight 0.5kg

### General

• LED Indicators System: Power

WLAN: Link/Active LAN: Link/Active

# **Power Requirements**

■ **Power Input** DC 24 V / 1A; POE Adapter 100 V ~ 240 V

• Power Connector RJ45, Passive 24V PoE

Power Consumption 15W

#### **Environment**

Operating Temperature -20 ~ 70 °C (-4~158°F)
Storage Temperature -30 ~ 80°C (-22 ~ 176°F)

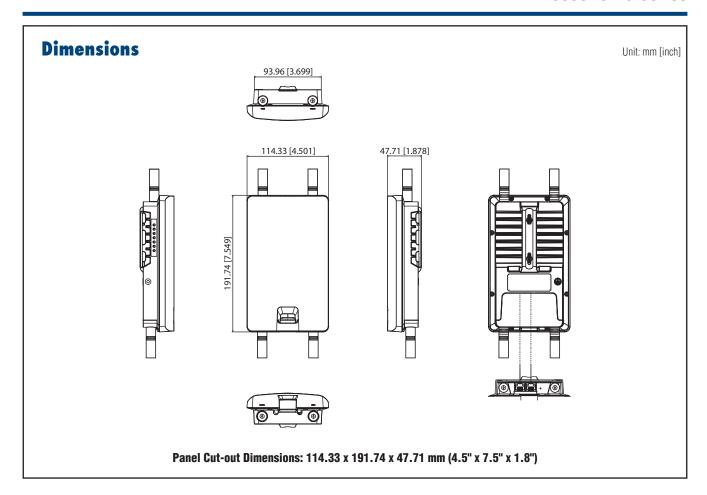
• Operating Humidity 10 ~ 95% RH

**Regulatory Approvals** 

■ EMC CE, FCC Part 15 Subpart B

ADVANTECH

IP Gateway and Serial Device Servers



## **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@

ACS7

 $802.11ac\ VHT80$  -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-2G

802.11 a/b/g/n/ac Wireless AP/Client (US Power cord include)

■ EKI-6333AC-2G-EU

802.11 a/b/g/n/ac Wireless AP/Client (EU Power cord include)