# EKI-6310GN

## IEEE 802.11 b/g/n Wi-Fi AP / CPE



### **Features**

- Compliant with IEEE802.11b/g/n
- IP66 waterproof certification
- High output power 27dBm
- Standard PoE (802.3af) support
- Support distances up to 5Km
- Support wireless data encyption with 64/128 bits WEP/WPA/WPA2/TKIP with IEEE 802.1X-Enterprise encryption for a highly secure wireless network
- WEP/WPA/WPA2/ IEEE 802.1 x authentication support
- Support WPS by software

## Introduction

The EKI-6310GN is a feature rich wireless AP/ CPE which provides a reliable wireless connectivity for industrial environments. The stanard PoE input enhances flexibility in deployment of this AP/ CPE even where the DC power supply is hard to fulfill. As an 802.11n compliant device, EKI-6310GN provides 3 times higher data rates than legacy 802.11g devices. EKI-6310GN, with an integrated Type N RF connector that can be directly plugged in to any antenna to create a robust outdoor AP/CPE, effectively improves the reliability of wireless connectivity, especially in applications that need high reliability and high throughput data transmission. To secure wireless connections, EKI-6310GN implements the latest encryption technologies including WEP/WPA/WPA2/802.1x for powerful security authentication.

## **Specifications**

#### **Standard Support**

	Winelson		
	Wireless	IEEE802.11b/g/n	
•	Ethernet	IEEE802.3u MDI / MDIX 10/100 Fast Ethernet	
•	LAN	IEEE802.11b/g wireless LAN interface IEEE 802.11n wireless LAN standard Standard PoE 802.3af	
•	Data Rates	802.11b 11, 5.5, 2, 1 Mbps, auto-fallback, 802.11g 54, 48, 36, 24, 18, 12, 9, 6 Mbps, auto-fallback	
•	802.11n	6M, 6.5M, 13M, 13.5M, 19.5M, 26M, 27M, 39M, 40.5M, 53M, 54M, 58.5M, 65M, 78M, 81M, 104M, 108M, 117M, 121.5M, 130M, 135M, 150Mbps	
Physical Specifications			
•	Power	Standard PoE 802.3af	
	Dimensions (W x H x D) 61 7 y 206 2 y 47 7 mm (2 42" y 8 12" y 1 88")		

## Dimensions (W x H x D) 61.7 x 206.2 x 47.7 mm (2.43" x 8.12" x 1.88") Mounting DIN-rail, Wall, Pole

• Weight 0.5 Kg

#### Environment

- Operating Temp. Non Heater: -30 ~ 70°C (-22 ~ 158°F)
- **Storage Temperature** -30 ~ 80°C (-22 ~ 176°F)
- Humidity
  10% ~ 95% non-condensing

#### **Interface Operation Modes**

Access Point (AP) / Customer Premise Equipment (CPE)

#### Antenna

- Antenna Configuration 1x1 (1 Tx, 1 Rx)
- Reserve N-type Connector (Plug)
  \*Equipped N-to-RSMA adaptor and 5dBi dipole antenna for indoor AP applications.

#### **Other Features**

- Telnet, FTP, SNMP, Password Changes, Firmware updates, Configuration Files
- Output Power Control, Bandwidth Control, Distance Adjustment, Site survey
- Open System , Shared Key, Radius 802.1X , WPA, WPA2, WPA-PSK (TKIP)

#### **Modulation Techniques**

- 802.11n OFDM(BPSK, QPSK, 16-QAM, 64-QAM)
- 802.11b DSSS (DBPSK, DQPSK, CCK)
- 802.11g
  OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

#### Channel Support

•	802.11b/g/gn	HT20 FCC: CH1 ~ CH11; ETSI: CH1 ~ CH13
•	802.11gn	HT40 FCC: CH3 ~ CH9; ETSI: CH3 ~ CH11

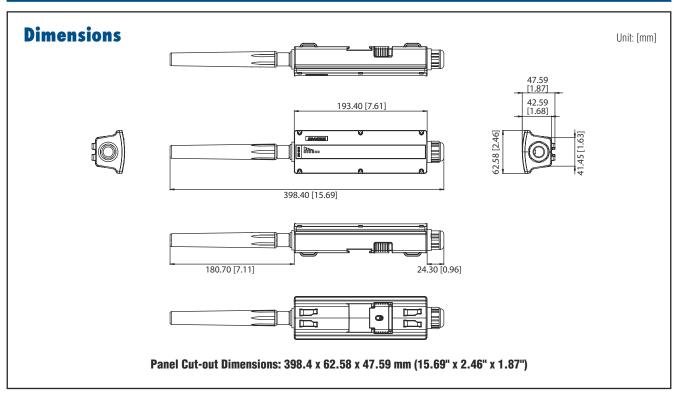
Wireless Transmission Rates

Transmitted	Power	Max.	27	dBm
manonnitiou	1 0 10 01	iviu.	<u> </u>	uDIII

#### **Receiver Sensitivity**

802.11b Sensitivity	-95dBm @ 11Mbps
802.11g Sensitivity	-92dBm @ 54Mbps
802.11n Sensitivity	-90dBm @ HT20

## **EKI-6310GN**



## **Ordering Information**

- EKI-6310GN
- 802.11 b/g/n Wireless Access Point/CPE (US)
- EKI-6310GN-EU 802.11 b
- 802.11 b/g/n Wireless Access Point/CPE (EU)