EKI-6332GN

IEEE 802.11b/g/n Wi-Fi AP/Client

Features

- Compliant with IEEE 802.11b/g/n
- IP55-rated waterproof design
- External RP-SMA connectors for 2T2R antennas
- High output power
- MIMO 2 x 2 11n
- Passive 24 V PoE
- WPA/WPA2-Enterprise encryption for highly secure wireless networks
- WEP/WPA/WPA2/ IEEE 802.1 x authentication support
- Spanning tree and IGMP snooping protocol support

Introduction

The EKI-6332GN is a feature-rich wireless AP/client that provides reliable wireless connectivity for industrial environments. The PoE injector enhances flexibility in deployment of this AP/client, even where DC power availability may be low. As an 802.11n-compliant device, the EKI-6332GN provides data rates six times higher than legacy 802.11a devices. With support for WMM and IGMP snooping protocols, the EKI-6332GN can effectively improve the reliability of wireless connections, especially in applications that require high throughput data transmission. To secure wireless connections, the EKI-6332GN implements the latest encryption technologies including WPA2/WPA/802.1x for powerful security authentication.

Specifications

Standard Support

Wireless	IEEE 802.11b/g/n
Ethernet	IEEE 802.3u MDI / MDIX 10/100 Fast Ethernet
LAN	IEEE 802.11b/g wireless LAN interface
	IEEE 802.11n wireless LAN standard
	Passive 24 V PoE, max. distance: 50 meters
Certification	FCC 15B/C
	EN300328 V181
	EN301489 -1/-17
	Telec
	EN55022/24
	EN60950
Data Rates	11b: 11M, 5.5M, 2M, 1Mbps
	11g: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6Mbps
	11n: HT20 MCS0 ~ 15 / HT40 MCS0 ~ 15

Physical Specifications

Power	DC 24 V / 1A; AC Adapter 100 V ~ 240 V
Dimensions (W x H x D)	111 x 256 x 48 mm (4.37" x 10.08" x 1.89")
Mounting	Wall, Pole
Weight	0.5 Kg

Environment

Operating Temperature	Non Heater : -20 ~ 70 °C (-4 ~ 158 °F)
Storage Temperature	-40 ~ 70 °C (-40 ~ 158 °F)
Humidity	10% ~ 95% non-condensing

Interface Operation Modes

- Access Point (AP) / Client

Antenna

- Default external 5 dBi Omni antenna
- 2 x RP-SMA connectors (female) for RP-SMA antennae (male)

Other Features

Management	Telnet, FTP, SNMP, Web UI
Wireless	Radio on/off, WMM/Regatta Mode, Output Power Control, Fragmentation Length, Beacon Interval, RTS/CTS threshold, DTIM Interval,
Security	Open System , Shared Key, Lagacy 8021X, WPA, WPA2, WPA-PSK (TKIP), WPA2-PSK(AES)

Modulation Techniques

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

Channel Support

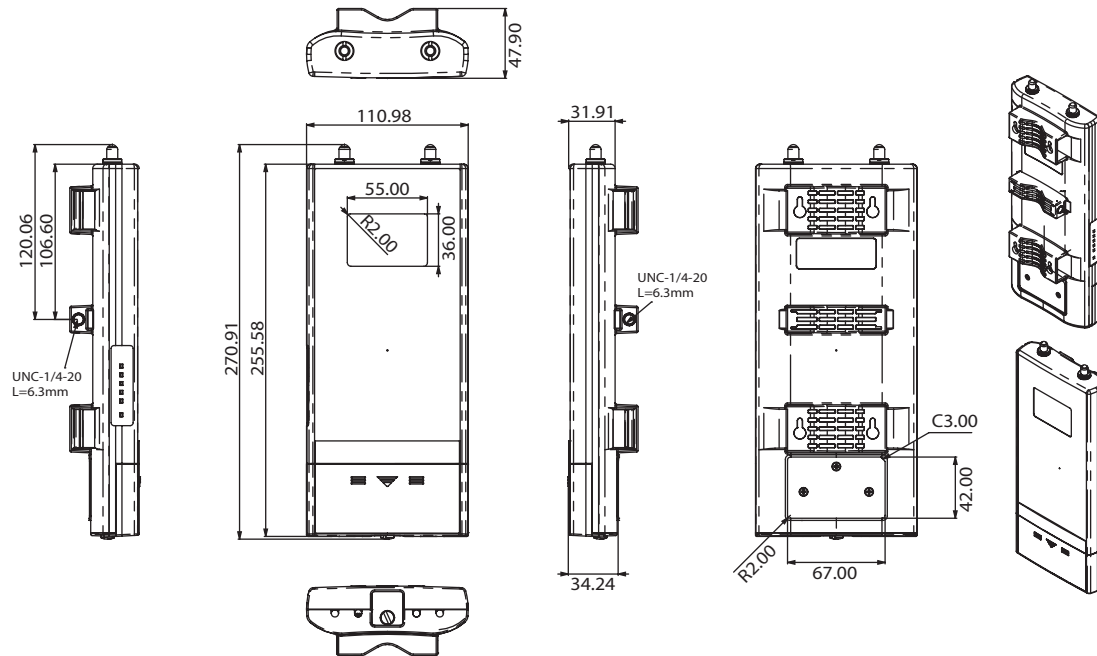|	
IEEE 802.11b/g/gn	HT20
	FCC: CH1 ~ CH11; ETSI: CH1 ~ CH13
IEEE 802.11gn	HT40
	FCC: CH3 ~ CH9; ETSI: CH3 ~ CH11

Wireless Transmission Rates

Transmitted Power*	802.11b: 27 dBm
	802.11g: 25 dBm @ 6 Mbps, 23 dBm @ 54 Mbps
	802.11gn HT20: 27 dBm @ MCS0/8, 23 dBm@ MCS7/15 802.11gn HT40: 26 dBm @ MCS0/8, 22 dBm@ MCS7/15

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

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All product specifications are subject to change without notice.   Last updated: 27-Jun-2018

Dimensions

Panel Cut-out Dimensions: 111 x 256 x 48 mm

Receiver Sensitivity

- **802.11b Sensitivity** -91 dBm @ 1 Mbps; -85 dBm @ 11 Mbps
- **802.11g Sensitivity** -89 dBm @ 6 Mbps; -70 dBm @ 54 Mbps
- **802.11n HT20** -83 dBm @ MCS0/8; -65 dBm @ MCS7/15
- **802.11n HT40** -80 dBm @ MCS0/8; -62 dBm @ MCS7/15

Ordering Information

- **EKI-6332GN** 802.11 b/g/n Wireless AP/Client (US)
- **EKI-6332GN-EU** 802.11 b/g/n Wireless AP/Client (EU)