

EKI-6351-A

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



Features

- Ease of use installation utilities: antenna alignment, distance calculation and site survey tools
- Compliant with IEEE 802.11a/b/g/n
- MIMO 2 x 2 11n, up to 300 Mbps data rate
- Dual 12 ~ 48 V redundant DC input power
- 802.3at PoE input
- Gigabit Ethernet support
- WEP, WPA, WPA2-PSK/EAP (IEEE 802.1X/RADIUS, TKIP and AES)
- Wide operating temperature range from -35 to 75°C
- EN50155 compliant

Introduction

The EKI-6351-A are perfect wireless AP/Clients for deployment in many locations. This high throughput network covers the increasing data demands of applications such as video security, surveillance and entertainment. Comprehensive security features prevent the system from intrusion whilst the wide operating temperature range enables excellent performances in harsh environments.

Specifications

Standard Support

- **Wireless** IEEE 802.11a/b/g/n compliant
- **Ethernet** IEEE 802.11i, IEEE 802.3/802.3u/802.3ab, IEEE 802.3at PoE, 802.1d, 802.1w, 802.1q, 802.1p
- **Data Rates**
 - 802.11b: 1, 2, 5.5, 11 Mbps
 - 802.11a, g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
 - Passive 15 V PoE, max. distance: 20 meters
 - IEEE 802.11n: @ 800ns (400ns) GI
 - 20 MHz BW
 - 1 Nss: maximal
 - 2 Nss: 130 (144.4) Mbps maximal
 - 40 MHz BW
 - 1 Nss: 135 (150) Mbps maximal
 - 2 Nss: 270 (300) Mbps maximal

Physical Specifications

- **Power** Dual redundant 12 ~ 48 V_{DC}
IEEE 802.3at PoE
- **Power Consumption** Normal operation: Max. 17 W
Cold start: Max. 13W
- **Dimensions (W x H x D)** 37 x 140 x 95 mm (1.46" x 5.51" x 3.74")
- **Weight** 0.63 Kg
- **Enclosure** Metal, IP30 protection
- **Mounting** DIN-rail, Wall

Environment

- **Operating Temperature** -35 ~ 75°C (-31 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Ambient Relative Humidity** 5% ~ 100% (non-condensing)

Interface

- **Antenna** 2 x RSMA connector
- **Power** Terminal block
- **LAN** RJ45

System Operation Mode

- EKI-6351-A - Bridge/Router

Other Features

- DHCP Client/Server*, Statistic routing table*, RIP v1&v2*, WMM, Multi-SSID (up to 16x ESSID for each radio), traffic limitation, IEEE 802.11h DFS, Syslog, L2 management utility, HTTP (s), Telnet, SSH, CLI, SNMP, installation utilities.

Modulation Techniques

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

Frequency Range

- **USA** 2.400 ~ 2.483 GHz, 5.15 ~ 5.25GHz, 5.725 ~ 5.825 GHz
- **Europe** 2.400 ~ 2.483 GHz, 5.15 ~ 5.35 GHz, 5.47 ~ 5.725 GHz
- **China** 2.400 ~ 2.483 GHz, 5.725 ~ 5.85 GHz

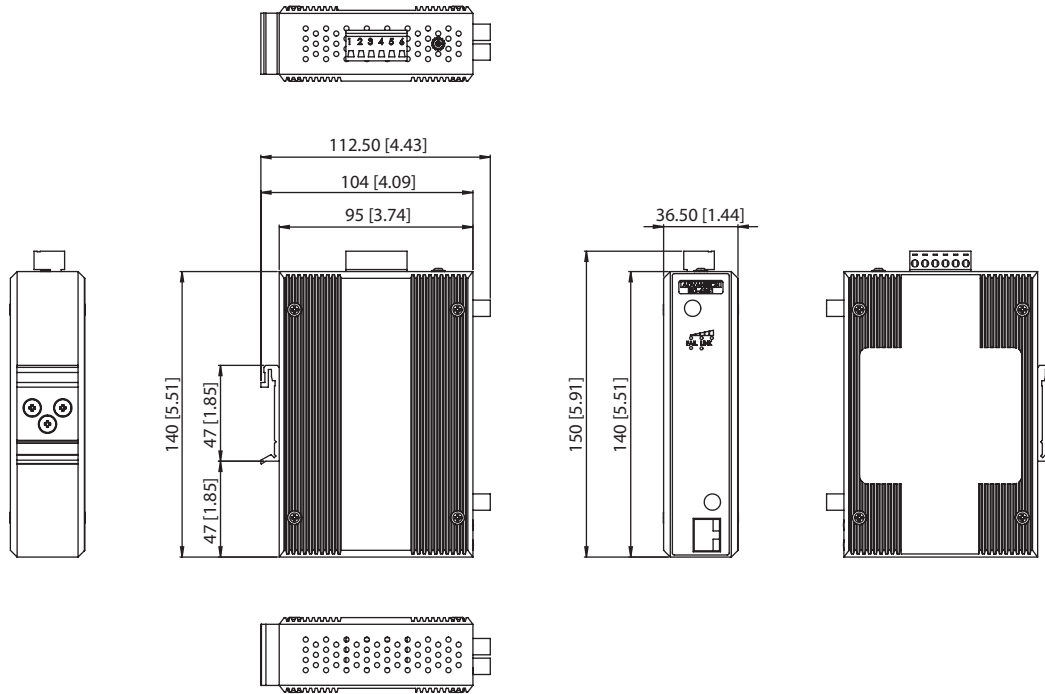
Note: radio is capable to be operated within FCC DFS2 band or ETSI/EC DFS band, or other countries which is regulating or is planning to regulate mid-5 GHz band. The usage of mid-5 GHz band is subject to the regulatory approval status.

Certificates

- **EMC** US FCC Part 15 Class B & C & E,
Europe ETSI 301 489-1&17
- **Radio** ETSI 300 328, ETSI 301 893, FCC 15.247
- **Rail Traffic** EN50155, EN50121-1/-4
- **Safety** EN 60950

Dimensions

Unit: [mm]



Panel Cut-out Dimensions: 140 x 96 x 36.5 mm (5.51" x 3.74" x 1.44)

Ordering Information

- EKI-6351-A 802.11 a/b/g/n Wi-Fi AP/Client
- EKI-6351-U 802.11 a/b/g/n Wi-Fi AP/Client (EU)