IAP-6701-WG+

▶ Industrial outdoor IEEE 802.11 b/g wireless access point with 1x10/100Base-T(X) PoE P.D., IP-67 grade

Features

- WLAN interface supports up to 54Mbps link speed
- Various kinds of operation modes supported: AP/Bridge/Repeater/ AP-Client/Client mode
- Various kinds of encryption supported: WEP/WPA/WPA-PSK(TKIP,AES) /WPA2/WPA2-PSK(TKIP,AES)/802.1X Authentication
- Supports X-Roaming < 100 ms
- Supports wireless load balance
- Wireless connecting status monitoring
- Versatile modes & event alarm by e-mail
- HTTPs & SSH protocol supported for secured management
- IP table to prevent access from unauthorized IP address
- IP Configurable by Windows utility (AP-Tool)





















Introduction

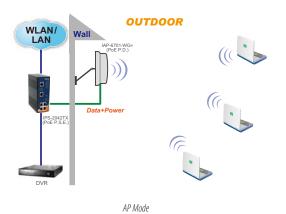
IAP-6701-WG+ is a reliable IP-67 outdoor IEEE802.11b/g WLAN Access Point with 1 PoE P.D. Ethernet port. It can be configured to operate in AP/ Bridge/Repeater/AP-Client/Client mode. It is specifically designed for the toughest industrial environments. In combination with its IP-67 design and the superb management functionality, IAP-6701-WG+ provide a waterproof, and dust-tight connection. You are able to configure IAP-6701-WG+ by WEB interface via LAN port or WLAN interface. In addition, IAP-6701-WG+ also provides P.D. feature which is fully compliant with IEEE802.3af PoE P.D. specification to save the layout cost of power line. The IAP-6701-WG+ can be easily adopted in all kinds of applications and provides the most rugged solutions for managing your network in outdoor. Therefore, IAP-6701-WG+ is one of the best communication solutions for outdoor wireless applications.

Application

In practical operation of outdoor wireless access point, Windows utility (AP-Tool) is supported. This utility is very helpful for you to search and configure IP of access point on the industrial network.

In addition, the outdoor wireless access point support various kinds of operation modes include AP/ Bridge/Repeater/AP-Client mode. IAP-6701-WG+ also support PoE P.D. feature to extend the layout up to 100 meters. You can build up the wireless network easily.

Various Kinds of Operation Modes



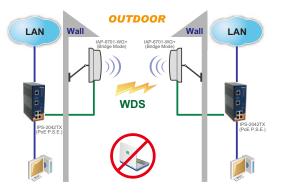


AP-Client Mode

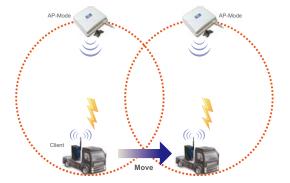
OUTDOOR

WDS

LAN

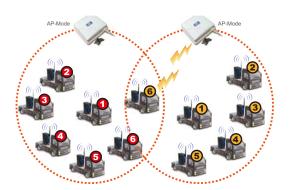






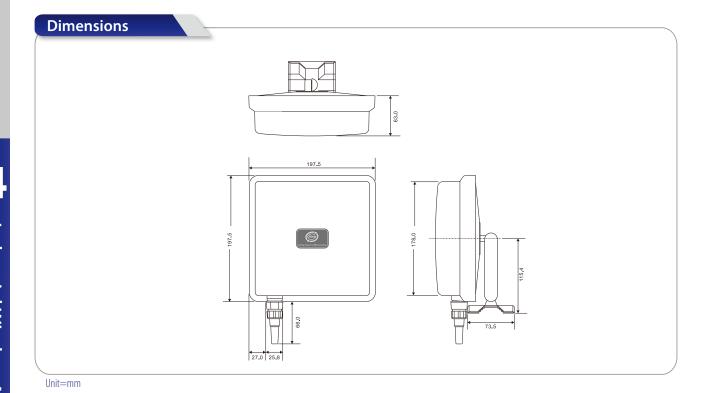
Bridge Mode

X-Roaming



Repeater Mode

Wireless Load Balance



Specifications

| ORing WLAN Access Point Model | IAP-6701-WG+ | | |
|---|---|--|--|
| Physical Ports Physical Ports | | | |
| | 1 | | |
| 10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE P.D. | Fully compliant with IEEE 802.3af Power Device specification Over load and short circuit protection Isolation Voltage: 1000 VDC min. Isolation Resistance: 10 ⁸ ohms min | | |
| WLAN interface | | | |
| Operating Mode | AP/Bridge/Repeater/AP-Client/Client | | |
| Antenna | Built-in 12dBi panel antenna | | |
| Radio Frequency Type | DSSS, OFDM | | |
| Modulation | IEEE802.11b : CCK, DQPSK, DBPSK IEEE802.11g : OFDM with BPSK, QPSK, 16QAM, 64QAM | | |
| Frequency Band | America/FCC : 2.412~2.462 GHz (11channels) Europe CE/ETSI : 2.412~2.472 Ghz (13 channels) | | |
| Transmission Rate | IEEE802.11b : 1/ 2/ 5.5/ 11 Mbps IEEE802.11g : 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54 Mbps | | |
| Transmit Power | IEEE802.11b : 20dBm IEEE802.11g : 17dBm | | |
| Receiver Sensitivity | -80dBm @ 11Mbps, PER< 8%; -65dBm @ 54Mbps, PER< 10% | | |
| Encryption Security | WEP: (64-bit,128-bit key supported) WPA /WPA2: IEEE802.11i(WEP and AES encryption) WPA-PSK (256-bit key pre-shared key supported) 802.1X Authentication supported TKIP encryption | | |
| Wireless Security | SSID broadcast disable | | |
| Protocol Support | | | |
| Protocol | ARP, BOOTP, DHCP, DNS, HTTPs, IP, ICMP, SNTP, TCP, UDP, RADIUS, SNMP, STP (IEEE 802.1D) | | |

| Power | | |
|--------------------------|--|--|
| Input Power | 48 VDC from PoE | |
| Power Consumption (Typ.) | 6 Watts | |
| Physical Characteristics | | |
| Enclosure | IP-67 | |
| Dimensions (W x D x H) | 197.5(W) x 63(D) x 197.5(H) mm (7.80x6.34x7.80 inch.) | |
| Weight (g) | 1040 g | |
| Environmental | | |
| Storage Temperature | -40 to 85°C (-40 to 185°F) | |
| Operating Temperature | -20 to 70°C (-4 to 158°F) | |
| Operating Humidity | 0~100% Non-condensing | |
| Regulatory Approvals | | |
| EMI | FCC Part 15, CISPR (EN55022) class A | |
| EMS | EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 | |
| Shock | IEC60068-2-27 | |
| Free Fall | IEC60068-2-32 | |
| Vibration | IEC60068-2-6 | |
| Safety | EN60950-1 | |
| Warranty | 3 years | |

Ordering Information

IAP-67AA - BBC



| Available Model | Model Name | Description |
|--|-----------------|--|
| | IAP-6701-WG+_US | Industrial outdoor IEEE 802.11 b/g wireless access point with 1x10/100Base-T(X) PoE P.D., IP-67 grade, US band |
| | IAP-6701-WG+_EU | Industrial outdoor IEEE 802.11 b/g wireless access point with 1x10/100Base-T(X) PoE P.D., IP-67 grade, EU band |
| Packing List • IAP-6701-WG+ • Pillar-mount Kit • Wall-mount Kit • Ethernet Connection Kit • ORing Tool CD • Quick Installation Guide | | |