IAP-6701-WG+

>> Industrial IP-67 Outdoor 802.11 b/g with PoE Access Point

- High Speed Air Connectivity: WLAN interface support up to 54Mbps link speed
- Highly Security Capability: WEP/WPA/WPA-PSK(TKIP,AES)/ WPA2/WPA2-PSK(TKIP,AES)/802.1X Authentication supported
- Support AP/Bridge/Repeater/AP-Client Mode
- IP-67 standard compliant
- Fully Compliant with IEEE802.3af PoE specification
- Secured Management by HTTPs and SSH
- Event Warning by Syslog, Email, SNMP Trap, Relay and Beeper
- LLDP supported for topology view through Open-Vision
- Support 802.1x security and radius

> Features

- WLAN interface supports up to 54Mbps link speed
- Various kinds of operation modes supported: AP/Bridge/ Repeater/AP-Client mode
- Various kinds of encryption supported: WEP/WPA/ WPA-PSK(TKIP,AES)/WPA2/ WPA2-PSK(TKIP,AES)/802.1X Authentication
- Environmentally sealed by IP-67 grade protection and ultrarugged enclosure fir toughest industrial usages

- 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)
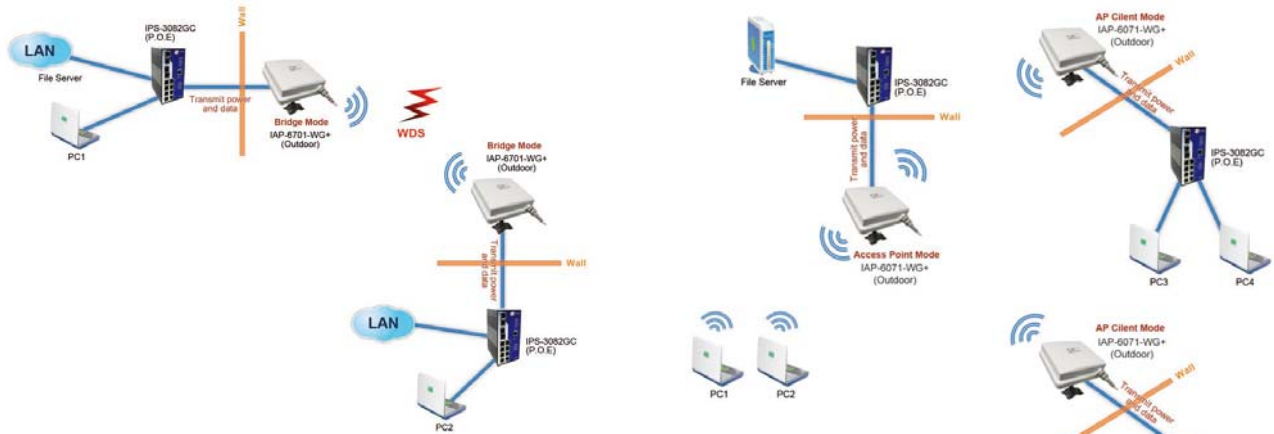

> Introduction

IAP-6701-WG+ is a reliable IP-67 outdoor 802.11 b/g WLAN Access Point with 1 PoE PD Ethernet port. It can be configured to operate in AP/Bridge/Repeater/AP-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 PD feature which is fully compliant with IEEE802.3af PoE PD specification to save the layout cost of power line. The IAP-6701-WG+ can be easily adopted in almost 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 outdoor communication solutions for 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 PD feature to extend the layout up to 100 meters. You can build up the wireless network easily.

Company Overview

Key Technologies

New Products

Product Selection Guide

Industrial Ethernet Switch

Industrial Media Converter

Industrial Device Server

Industrial Wireless Solution

Industrial Serial Card

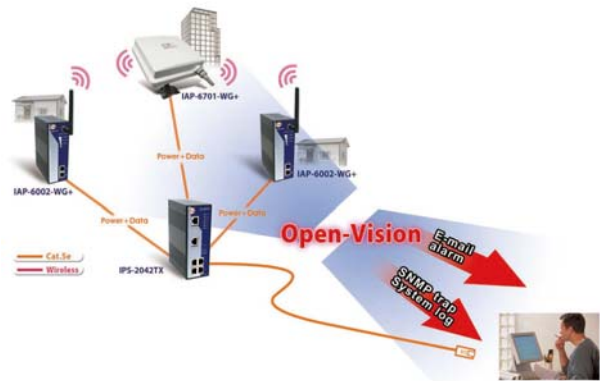USB Server

Accessories

Various Kinds of Operation Modes

Operation Mode – Bridge Mode

Operation Mode – AP Client Mode

Operation Mode – Access Point Mode

Link Monitor and alarm

> Dimension

197.5

197.5

63.0

66.0

27.0   25.8

178.0

115.4

73.5

Unit=mm

7

Industrial Wireless Solution
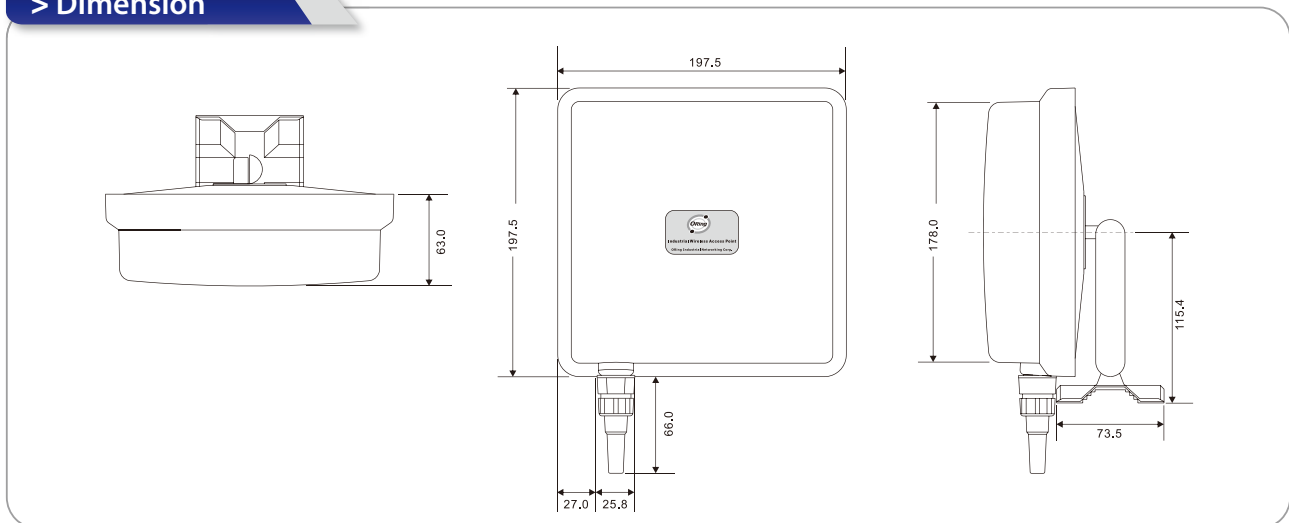
ORing WLAN Access Point Model	IAP-6701-WG+
Physical Ports	
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX with PoE PD	1 Fully compliant with IEEE 802.3af Power Device specification Over load & short circuit protection Isolation Voltage: 1000 VDC min. Isolation Resistance : 10⁸ ohms min
WLAN interface	
Operating Mode	AP/Bridge/Repeater/AP-Client
Antenna Connector	Housing
Radio Frequency Type	DSSS
Modulation	IEEE802.11 b : CCK, DQPSK, DBPSK IEEE802.11 g : OFDM with BPSK, QPSK, 16QAM, 64QAM
Frequency Band	America/FCC : 2.412~2.462 GHz (11 channels) Europe CE/ETSI : 2.412~2.472 Ghz (13 channels)
Transmission Rate	IEEE802.11 b : 1/ 2/ 5.5/ 11 Mbps IEEE802.11 g : 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54 Mbps
Transmit Power	IEEE802.11 b : 18dBm IEEE802.11 g : 15dBm
Receiver Sensitivity	-80dBm @ 11Mbps, PER< 8%; -65dBm @ 54Mbps, PER< 10%
Encryption Security	WEP : (64-bit ,128-bit key supported) WPA : WPA2 : 802.11i(WEP and AES encryption) PSK (256-bit key pre-shared key supported) 802.1X Authentication supported TKIP encryption
Wireless Security	SSID broadcast disable
Power	
Input power	48 VDC from PoE
Power consumption (Typ.)	6 Watts
Physical Characteristic	
Enclosure	IP-67
Dimension (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)
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
Warranty	3 years

> Ordering Information

IAP-67AA - BB C

Code Definition	LAN Port Number	WLAN Identification	PoE Identification
Option	**- 1:** 1 port	**- WG:** IEEE802.11 b/g mode	**-"+":** PoE PD present

Available Model	Model Name	Description	Operating Temperature
	IAP-6701-WG+	Industrial IP-67 Outdoor 802.11 b/g with PoE Access Point	Regular model (-20 to 70°C)

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