Industrial Wireless Access Point

Introduction

WAP-5xxx series is a reliable 802.11b/g WLAN with 2 ports LAN Access Point. It can be configured to operate in AP/Bridge/Repeater mode. Users are able to configure WAP series by Window utility or WEB interface via LAN port or WLAN interface. WAP series provides dual Ethernet ports in switch mode, so that users can use Daisy Chain to reduce the usage of Ethernet switch ports. In addition, WAP-5002P also provides PD feature on ETH2 which is fully compliant with IEEE802.3af P.O.E. specification. Therefore, WAP series is the best communication solution for wireless application.

WAP-5002P Support PD

WAP-5002P supports PD at ETH2 and converts the electrical power up to 8 Watts. This feature is fully compliant with IEEE802.3af specification and provides 1KV isolating protection. This PD feature enables WAP-5002P to speed up the installation of equipment and extend the range of layout to a maximum of 100 meters without additional power source. Therefore, WAP-5002P is the best WLAN AP solution for P.O.E. PD application.

Security management by HTTPS & SSH

WAP-5002/WAP-5002P supports HTTPs & SSH protocol over LAN or WLAN to assure the data security when users make configuration remotely.

High Speed and High Security Capability

With IEEE802.11b/g dual mode capability, WAP-5002/WAP-5002P is able to operate with a maximum link speed of 54Mbps to maximize the capacity of communication channel. The security standards include WEP, WPA, WPA2, 802.1X, Radius and TKIP. These various kinds of security standards for WLAN are also configurable to ensure the security of data transmission.
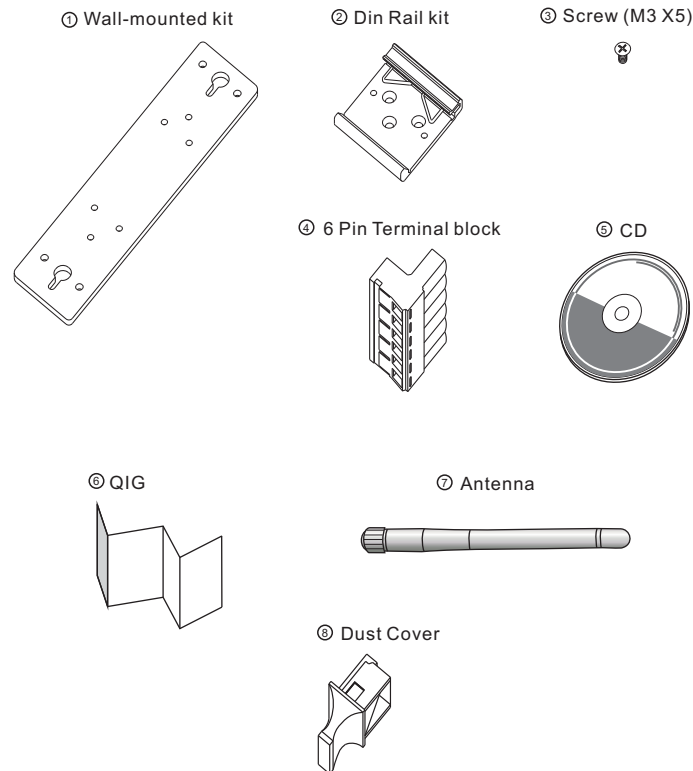
Features

- High Speed Air Connectivity: WLAN interface support up to 54Mbps link speed
- Highly Security Capability: WEP/WPA/WPA2/802.1X/Radius/TKIP supported
- Support AP/Bridge/Repeater Mode
- Switch Mode Supported: Daisy Chain support to reduce usage of switch ports
- Redundant Power Inputs: 12~48VDC on terminal block
- Fully Compliant with IEEE802.3af (Power Device at ETH2, WAP-5002P only)
- Secured Management by HTTPS and SSH
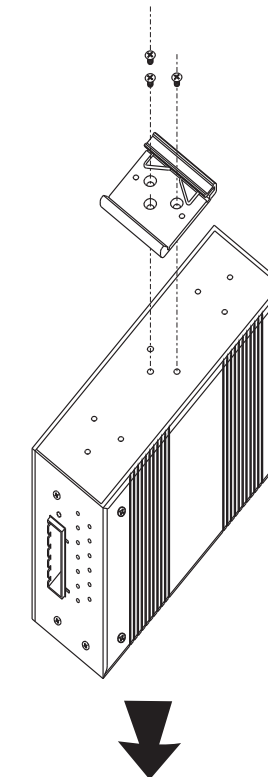- Event Warning by Syslog, Email, SNMP Trap, Relay and Beeper

Package List

Model Name	Description	Accessory
WAP-5002	Industrial 802.11b/g Wireless LAN Access Point with 2-port LAN	①X 1, ②X 1, ③X 6, ④X 1, ⑤X 1, ⑥X 1, ⑦X 1, ⑧X 2
WAP-5002P	Industrial 802.11b/g Wireless LAN Access Point with 1-port LAN and 1-port P.O.E. PD	①X 1, ②X 1, ③X 6, ④X 1, ⑤X 1, ⑥X 1, ⑦X 1, ⑧X 2

Accessory

① Wall-mounted kit

② Din Rail kit

③ Screw (M3 X5)

④ 6 Pin Terminal block

⑤ CD

⑥ QIG
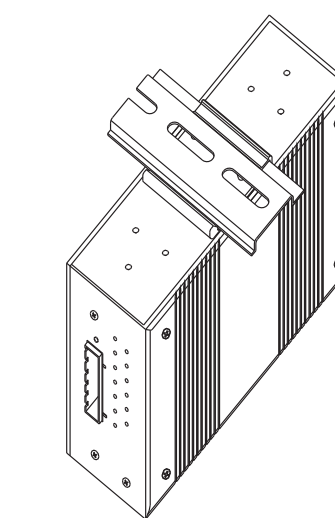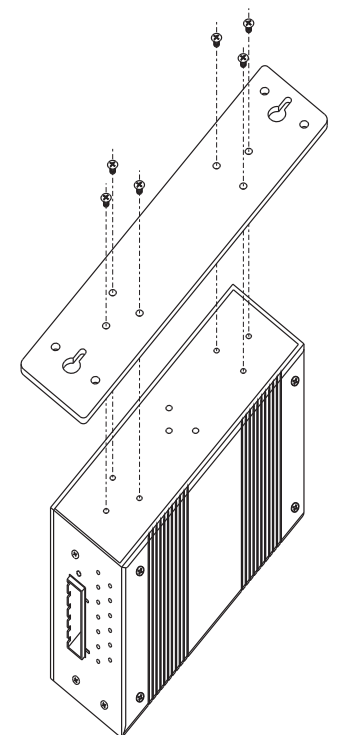
⑦ Antenna

⑧ Dust Cover

Installation

■ DIN-Rail Install Step

■ Wall-mounted Install Step

Industrial Wireless Access Point

WAP-5002 Front Hardware Guide

- 2 dbi Antenna
- SUNIX
- WAP-5002
- ANT.
- Wireless LAN LED — WLAN
- PWR1 — Power 1 LED
- PWR2 — Power 2 LED
- Fault — Fault LED
- WLAN Strength LED
- Industrial Wireless Access Point
- ETH1 — Ethernet 1 Port
- ETH2 — Ethernet 2 Port
- 10/100M
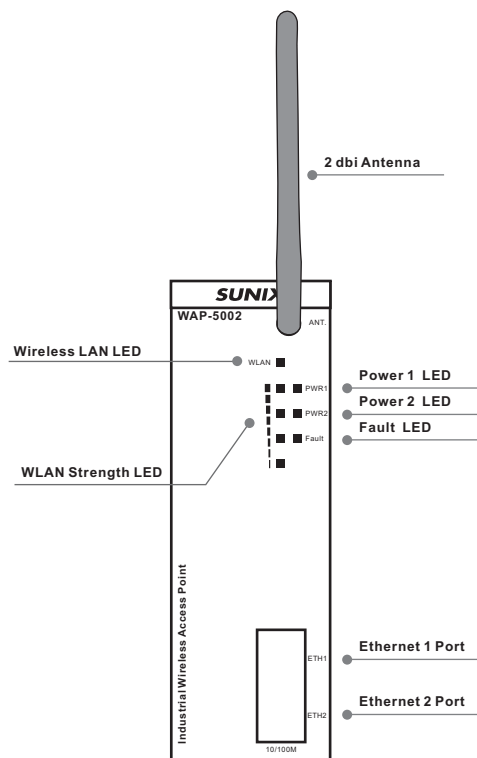
WAP-5002P Front Hardware Guide

- 2 dbi Antenna
- SUNIX
- WAP-5002P
- ANT.
- Wireless LAN LED — WLAN
- PoE — P.O.E. LED
- PWR1 — Power 1 LED
- PWR2 — Power 2 LED
- Fault — Fault LED
- WLAN Strength LED
- Industrial Wireless Access Point
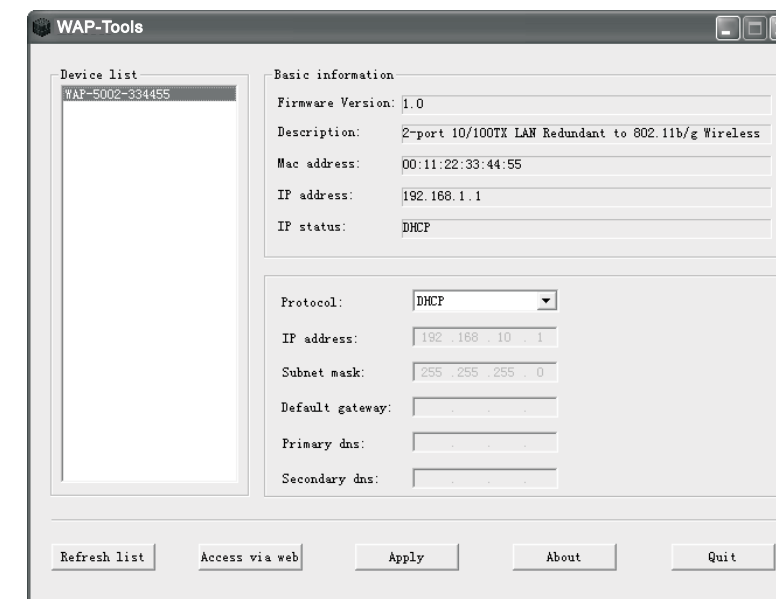- ETH1 — Ethernet 1 Port
- ETH2 PoE — Ethernet 2 / P.O.E. PD Port
- 10/100M
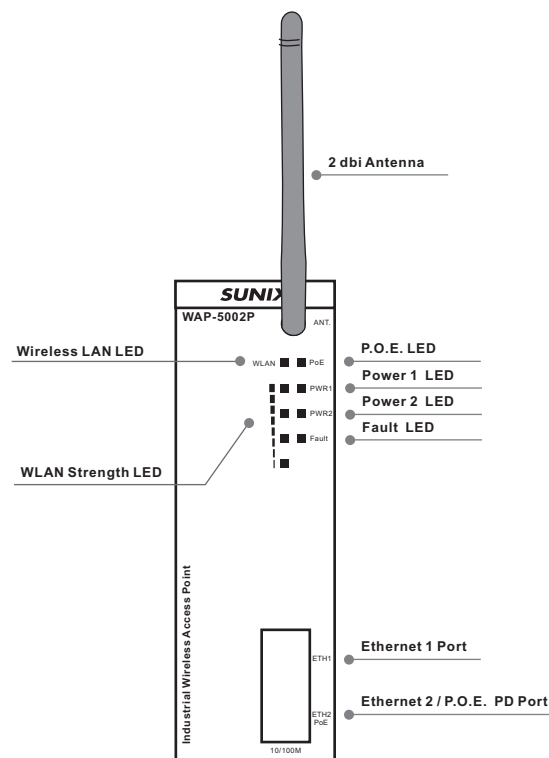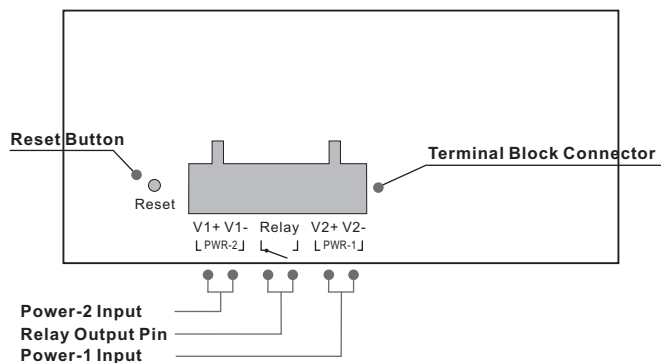
WAP-Tools Management Utility

You can search the WAP-5002/WAP-5002P in local area network with Windows utility which can be found in the CD. Please follow the step below to setup the equipment.

Step 1. Start up the Windows utility "WAP-Tools.exe"
Step 2. Click "Refresh list" button, the AP device will show on the list.
Step 3. Configure the IP address manually.

WAP-Tools

Device list
- WAP-5002-334455

Basic information
- Firmware Version: 1.0
- Description: 2-port 10/100TX LAN Redundant to 802.11b/g Wireless
- Mac address: 00:11:22:33:44:55
- IP address: 192.168.1.1
- IP status: DHCP

- Protocol: DHCP
- IP address: 192 . 168 . 10 . 1
- Subnet mask: 255 . 255 . 255 . 0
- Default gateway:
- Primary dns:
- Secondary dns:

[Refresh list] [Access via web] [Apply] [About] [Quit]

Power Connection Guide

- Reset Button
- Reset
- Terminal Block Connector
- V1+ V1- Relay V2+ V2-
- └ PWR-2 ┘ └ ┘ └ PWR-1 ┘
- Power-2 Input
- Relay Output Pin
- Power-1 Input

SUNIX

RoHS FC CE

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