

WH-5400CPE-ESD

802.11g Wireless Outdoor 20dBm All-in-One

F equipment to WISP (Wireless Internet Service Provider), Air Live Corp. introduces WH-5400CPE-ESD all-in-one Wi-Fi CPE device. The ideal solution for WISP and other outdoor wireless applications.

Weather Proof Housing

The WH-5400CPE-ESD is an all-in-one device for outdoor wireless application that includes everything you need to make an outdoor wireless connection. The enclosure is made of weather proof ABS+PC+antiUV material with integrated 12-dB antenna. With the special designed splash proof cap for POE/Ethernet Cable, the CPE uses conventional outdoor grade UTP cable with RJ-45 connector. So you don't need to pay extra cost for special water-proof connectors. This combination creates a light weight, splash proof, compact, yet durable housing ready for prolong use in the harsh outdoor condition. Standard Pole mount Kit are provided. Wall mount kit is optional.

Integrated Antenna and Long Distance firmware

The WH-5400CPE-ESD has a built-in high performance 12dBi patch antenna on the front surface. It can deliver wireless signal at up to 3km distance. The ACK Value is displayed in distance, so you can set the correct ACK Timing value easily for long range operation. Inside the CPE, you will find AirLive's Atheros SuperG multifunction Access Point that can run in Client, AP, or WDS Bridge function. The AP is specially designed for long distance outdoor application with strong signal and heat proof materials for stable outdoor performance. Best of all, the unit features a Power over Ethernet system that is specially designed for outdoor application

Lightning Strikes Protection

The built-in lightning protection module provides safety for your WH-5400CPE-ESD from lightning strikes and electrical induction. If you setup your WH-5400CPE-ESD in open space or rooftop, the device can be susceptible to lightning strike or proximal electrical induction. The lightning protection module will re-direct the electrical current to the ground to safeguard your WH-5400CPE-ESD.



Accessories



POE DC Injector



Optional 25m POE Cable



Switch Adaptor



Pole Mount Kit



Wall Mount Kit



LED Indicator easy status checking

There are 3 LEDs in the bottom of the WH-5400CPE, say, Power, LAN and WLAN. Power LED indicates the device power situation, it lights up when WH-5400CPE is powered. LAN and WLAN LED shows the connection situation of Ethernet Cable and Wireless independently. These LED indicators make it easier to check the device status when installing or maintaining.

The WH-5400CPE-ESD is a complete product solution from a company that fully understands the need of the WISP environment

* WH-5400CPE-ESD has antenna built-in, it has no external antenna connector

Specifications

Standard

- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3X

Modulation

- IEEE802.11b: CCK,DQPSK,DBPSK
- IEEE802.11g: OFDM

Frequency Band

- America/FCC 2.412~2.462 GHz (11 channels)
- Europe CE/ETSI 2.412~2.472 GHz (13 channels)
- Japan 2.412~2.484 GHz (14 channels)
- France 2.457~2.472 GHz(4 channels)

Transmission Power

- 802.11b:20 dBm
- 802.11g:19.5 dBm

Transmission Rate

- IEEE802.11b: 1/2/5.5/11Mbps
- IEEE802.11g: 6/9/12/18/24/36/48/54Mbps

Access Point Interfaces :

- Auto MDI/MDI-X Ethernet 10/100Base-TX: RJ-45

Sensitivity

- -88dBm @ 11Mbps, PER < 8%; -74dBm @ 54Mbps, PER < 10%.

Antenna Type

- Integrated 12 dBi flat panel antenna
- 45 degree H-Plane (Horizontal)
- 40 degree E-Plane (Vertical)
- Front-To-Back: 18dB.

Security Systems

- 64-bit/128-bit WEP encryption; Wi-Fi
- Protected Access (WPA) and WPA2

Wireless Setting

- Operation Mode AP / Wireless Client(Infrastructure and Ad Hoc) / Repeater / WDS PtP and PtMP Mode

LED Indicator

- Power: Red
- WLAN: Green
- LAN: Green

Software/Firmware

- Site Survey
- DHCP Client
- Wireless access control by MAC address (deny or accept)
- WPA Support (WPA personal and enterprise)
- Web-based configuration via popular browser (MS IE, Netscape)
- Firmware upgrade and configuration backup via Web

Ordering Information:

WH-5400CPE-ESD	802.11g Outdoor CPE
WH-5400CPE-25M	802.11g Outdoor CPE + 25 meter Cable
CAB-25M	Optional 25-meter POE Cat.5 Cable.
WMK-5400CPE	Wall Mount Kit Ordering Information