arcadyan

User Manual

WA9102BAC33

Arcadyan Technology Corporation

Enterprise WiFi Access Point

This Wireless Enterprise Access Point is compliant with the IEEE 802.11ac specifications while maintaining full backwards compatibility with the current 802.11b/g/n standards. 802.11n builds upon previous 802.11 standards by adding MIMO (multiple-input multiple-output) antenna technology. This device supports 3x3 MIMO, which uses multiple transmitter and receiver antennas, to deliver data throughputs of up to 1300 Mbps.

IEEE 802.11ac is the new addition of the IEEE 802.11 standards, running at 5 GHz band type and co-existing with the 802.11n network. It delivers wide bandwidth of up to 80 MHz, and reliable high data rates of up to 1.3 Gbps.

The Passive Power-over-Ethernet (PoE) is also embedded with the Enterprise Access Point for convenient power connectivity. Using the PoE serves both data link and power connection in one cable. It eliminates the need of power supply, and provides long cable length.

This device supports both wired LAN/WAN ports and wireless capabilities. With the capability of MIMO and delivering gigabit network bandwidth, the Enterprise Access Point provides sufficient bandwidth to stream HD video, listen to digital music, play online games, transfer large files, and surf the Internet simultaneously.

LED Indicators

ETH2/ETH1 (Gigabit Ethernet Port)

On	Flashing
Ethernet connection has been established.	The indicated Gigabit LAN port is sending or receiving data.

5G (IEEE 802.11a/n/ac)

On	Flashing
5GHz wireless link has been established.	Data is transmitted via 5GHz wireless link.

2.4G (IEEE 802.11b/g/n)

On	Flashing
2.4GHz wireless link has been established.	Data is transmitted via 2.4GHz wireless link.

Run (Power)

On	Flashing
Powered on	The access point is establishing a wireless link via wireless access controller. It connects to your network operation center.

Connection Interface
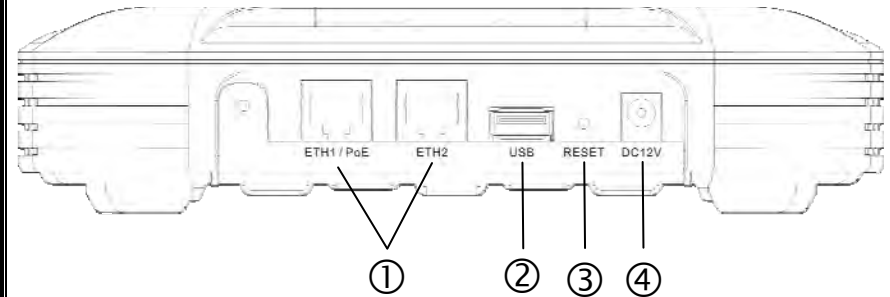
Gigabit Ethernet Ports (RJ-45)

① ETH1/ PoE, ETH2 –

- Connect devices on your local area network to these ports (i.e., a PC, hub, switch or IP set top box).

- This access point supports power over Ethernet (PoE). It can be powered by PoE with long length cabling. Connect the PoE port to your gateway or a switch.

② USB Port – Connect your USB device to this port.

③ RESET Button – Use this button to reset the power and restore the factory default settings.

④ DC 12V Power Inlet – Connect the included power adapter to this inlet.

Device Connectivity

Step 1 - Connect one end of the provided Ethernet cable into the LAN ports on the Wireless Access Point. Then insert the other end of the cable into the Ethernet port of your PC or other Ethernet network device.

Step 2 - Plug the power adapter into the power socket on the rear of the access point, and the other end into a power outlet.

Step 3 - Wireless Link: On the Windows desktop, click Start/Control Panel/Network and Internet/View network status and tasks/Connect to a network to browse the available wireless networks. Choose Enterprise Access Point from the list and click Connect button to start using the wireless network.

Wall Mounting

There are two slots on the base of the access point for mounting the device on the wall. You will need two screws of less than 5 mm in diameter to wall mount the access point.

To wall mount the device:

1. Determine where you want to mount the access point. Make sure you choose a central location away from potential sources of interference like microwave ovens and cordless phones.

2. Drill two holes into the wall and insert your two screws 128 mm apart to hang the device.

3. Insert a screw into each hole, and leave 5 mm of each head exposed.

4. Maneuver the device so the wall-mount slots line up with the two screws.

5. Place the wall-mount slots over the screws and slide the device down until the screws fit snugly into the wall-mount slots.

Note: When wall mounting the access point, be sure that it is within reach of the power outlet or alternative sources of power supply.
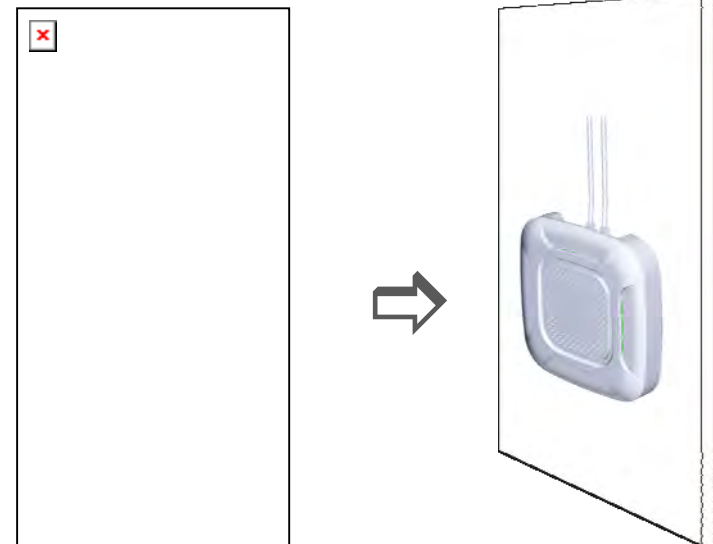
FCC Statement:

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and it's antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

This device is going to be operated in 5.15~5.25GHz frequency range, it is restricted in indoor environment only.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

（1）「經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能」。
（2）「低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即
停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾」。
（3）「不致造成違反低功率電波輻射性電機管理辦法之所有控制、調整及開關之使用方法」。
（4）「對任何可能造成違反管理辦法規定之調整予以警告，或建議由具有發射機維修專長之技術人員執行或由其直接監督及負責」。
（5）「對任何可能造成違反管理辦法之零件(晶體、半導體等)置換之警告」。
（6）「電磁波曝露量MPE 標準值1mW/cm2，送測產品實測值為：0.364322 mW/cm2」。