

WAP510 Ceiling-Mounted Intelligent WAP

WAP510 Series



- High throughput network performance
- Up to 60 concurrent users
- Flexible configuration
- Wireless security
- Enterprise-level applications
- One-stop solution
- IP67 protection level

Ascent's WAP510 Series is specially designed for applications in wireless application locations such as indoor public areas.

The WAP510 Series has adopted the latest MIMO technology of QualCOMM, which renders you a secure, stable and hi-speed wireless network. WAP510 Series is ceiling-mounted, compact, and beautiful so that they can fit in indoor public areas. They can be used together with in-wall or desktop WAPs to achieve entire WIFI coverage indoors. Furthermore, the adoption of PoE power supply and Adaptor by Ascent's WAP510 series makes their installation and application more convenient.

Key Features

- 802.11n MIMO technology
- Up to 1750 Mbps
- Up to 200 users (60 concurrent)
- Compact size
- WEP/WPA/WPA2/WPA-psk/WPA2-psk and 802.11i data encryption
- MAC/WEB/802.1x authentication
- Illegal AP checkup
- Wireless user isolation
- Wireless user blacklist/whitelist
- IEEE 802.11n/AC compliant
- Compatible with Ascent's WSC710 series AC controllers
- IP67 protection level

Specifications

Hardware Specifications

Interfaces

Standard Interfaces	2 GE Base-T ports, RJ45 1 GE optical port, SFP PoE input
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Wireless Parameters

Wireless Module	2 wireless modules 802.11a/b/g/n/ac MIMO 3×3
Best Performance	≥80 concurrent users' access @3Mbps ≥ 32 SSIDs ≥1750M
Working Frequency	2.412 to 2.4835 GHz 5.150 to 5.250 GHz 5.250 to 5.350 GHz 5.470 to 5.725 GHz 5.745 to 5.825 GHz
Antenna	4 N-K interface external antenna
Output Power	27dBm

Peripheral Parameters

Dimensions Mm (W×D×H)	282×232×64
Weight	≤3.2Kg
Power Supply	802.3at POE
Power Consumption	Peak value ≤ 22W
Working Temperature	-40 ° C to 70 ° C
Working Humidity	5 % to 95 % (non-condensing)
Thunder-Proof Level	6KV
Protection Level	IP67

Software Specifications

Working Mode

FAT AP	Support
FIT AP	Support

Network Protocols

802.1Q VLAN, 4K	Support
802.1p priority queue	Support
IPv6 passthrough	Support
DHCP snooping	Support
IGMP proxy	Support
DHCP server	Support
NAT	Support
PPPoE	Support
SNMP	Support
SNTP	Support

Wireless Security

WPA-Personal/Enterprise	Support
WPA2-Personal/Enterprise	Support
WEP 64/128-bit Encryption	Support
EAP-SIM/EAP-AKA/EAP-MD5/EAP-TLS/EAP-TTLS/PEAP	Support
SSID broadcast disable	Support
MAC address filtering	Support
802.1x RADIUS client with PAP/CHAP	Support

WLAN Features

User isolation	Support
Fair access time	Support
Automatic channel choice	Support
Automatic power control	Support
Wireless terminal identification	Support
5G prior access	Support

Management Mode

Web	Support
Telnet	Support
CLI	Support
AC centralized management	Support
SNMP	Support

Ordering Information

Product Name

WAP510-GE-AC-POE-1

Product Description

WAP510 ceiling-mounted intelligent WAP (3 Gigabit ports, 802.11 a/b/g/n/ac, dual-frequency dual-path wireless coverage, MIMO 2x2 built-in antenna, PoE and adaptor power input)

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