

802.11ac Wave2 In-Wall AP

IAP1200

High-performance 802.11ac Wave2
for hospitality and branch offices



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HIGHLIGHTS

- ◆ Dual Band 802.11ac Wave2
- ◆ Wireless Speed up to 1.2Gbps
- ◆ 802.11K/V/R make roaming between access points seamless
- ◆ 3 x GE LAN Port (1 x PoE, 2 x access ports)
- ◆ 1 x RJ11 Port
- ◆ Work centrally managed by controller
- ◆ In-wall Design with Easy Installation Kit



OVERVIEW

IAP1200 is a High-performance 802.11ac Wave2 Wall-Plate Access Point for hospitality and branch offices. The IAP1200 is a dual-radio AP, with data rate up to 867Mbps on the 5GHz radio and 300Mbps on the 2.4GHz radio. It also supports multi-user MIMO (MU-MIMO) to provide simultaneous transmission for multiple devices, maximizing wireless throughput and improving efficiency.

Many customers are challenged with providing wireless access at a challenging environment with many rooms with RF-blocking walls, floors and doors, such as hotel, patient rooms, classrooms and apartments. IAP1200 is purpose-built for this kind of high-density and micro-cell environments, offering a cost-effective way to provide high-speed wireless services for every user and every mobile device at every room.

The IAP1200 combines Gigabit Ethernet wired and reliable 802.11ac Wave 2 wireless connectivity into a sleek device. It's ideal for high-end hotels, medical clinics, classrooms and branch offices which often require flexible and scalable network deployment options.

IAP1200, the easy way to deliver high-speed in-room Wi-Fi service, with minimal costs.

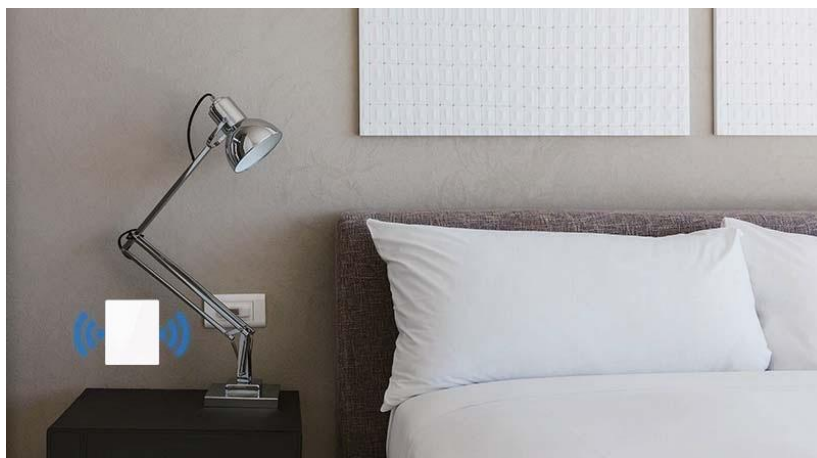
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Easy to Deploy

IAP1200 can be installed over any standard network wall outlet. Reusing existing network cables and minimizes the impact of network deployment in hotel or similar settings.

Easy-mounting design makes it possible to install in less than five minutes. No additional power cabling, switch ports and power sourcing equipment required for installation, IAP1200 delivers maximum deployment flexibility and investment protection.



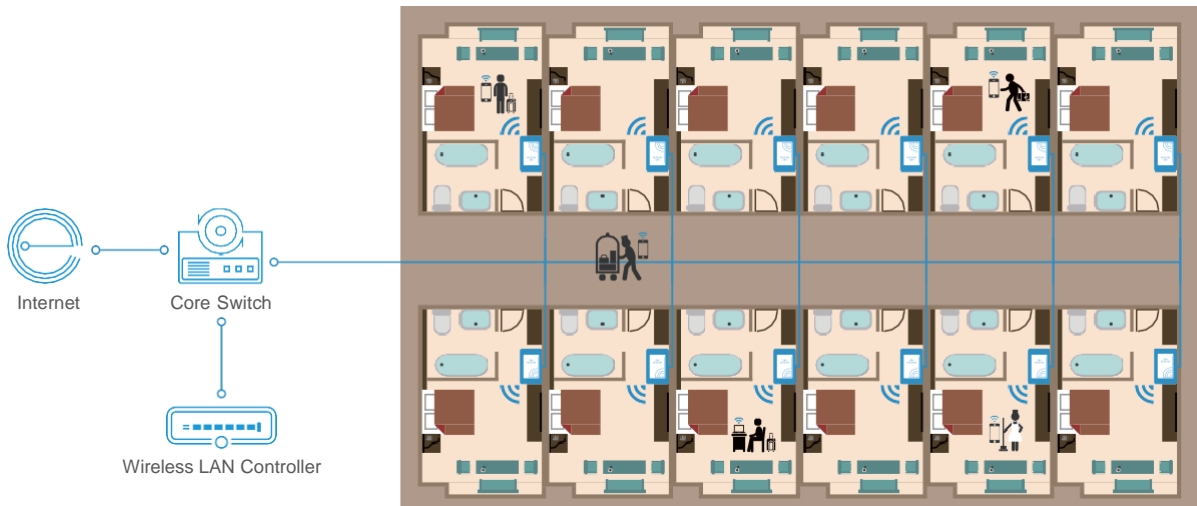
Security Guest Network

Establish guest networks to Internet resources for visitors while preventing guest users from accessing network files or devices and segment user groups for increased security and bandwidth control, or network attacks.



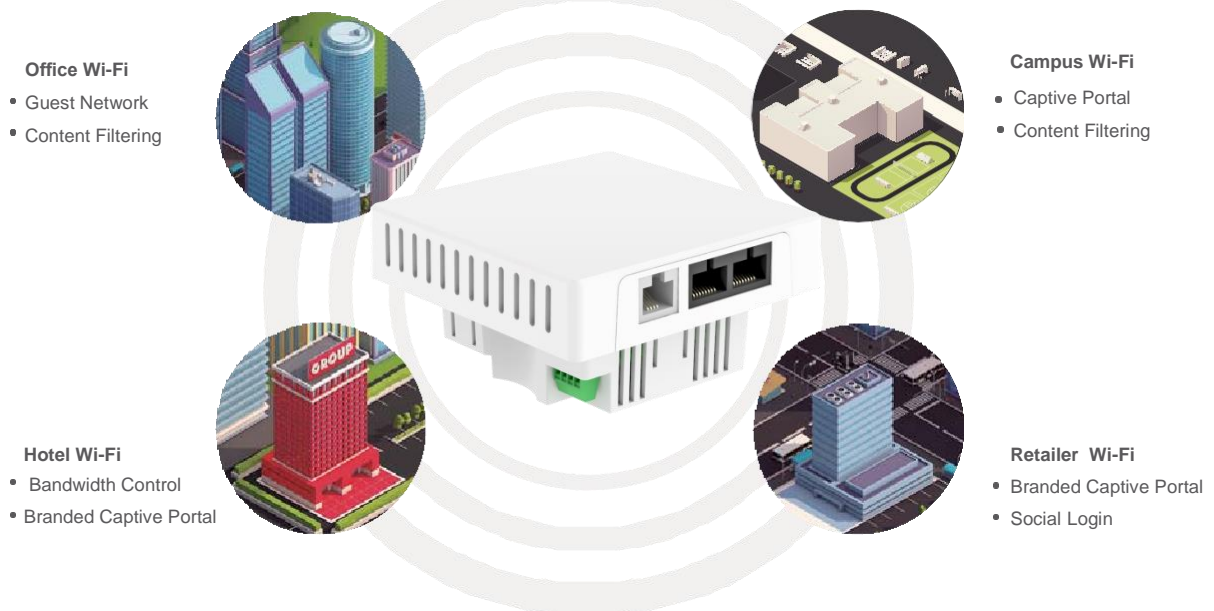
Centralized Management

IAP1200 can be centrally managed by the ACBox controller, which centralizes the management, provisioning, and monitoring of wireless networks, scaling from a small network to a larger and complex network with seamless scalability.



Enterprise Grade Security

IAP1200 delivers industry-leading, end-to-end robust security. It supports all the main-stream and standards-based security method, such as WEP, WPA-PSK, Social Media Login, Web Portal, PPPoE etc.



Technical Specifications

Hardware Specifications	
Wireless Speed (Data Rate)	300 + 867 Mbps
Frequency Radio	2.4GHz: 2400MHz ~ 2835MHz 5GHz: 5150MHz ~ 5250MHz, 5470 ~ 5725MHz, 5725MHz ~ 5850MHz
2.4 GHz	2 stream, 802.11 b/g/n (max rate: 300 Mbps)
5 GHz	2 stream, 802.11 a/b/g/n/ac wave2(max rate: 867 Mbps)
Processor	QCA9563
Memory Capacity	128MB DRAM 16 MB ROM(Flash)
Physical Interface	Uplink: 1 x Gigabit Ethernet Ports, 802.3at PoE Input Downlink: 2 x Gigabit Ethernet Ports 1 x RJ11 Port
LED Indicators	SYS
Antenna	2T2R 4dBi Omni Antennas for 2.4 GHz 2T2R 4dBi Omni Antennas for 5 GHz
Environmental conditions	Operating Temperature: -10°C ~ 45°C Storage Temperature: -10°C~ 55°C Operating Humidity: 5% ~ 100% non-condensing Storage Humidity: 5% ~ 100% non-condensing
Mounting	Wall Mount
Device Dimensions	86*86*34mm
Package Contents	IAP1200 Mount Kits Mounting Screw Set

RF Performance Table

	Maximum transmit power(per chain) (dBm)	Maximum transmit power Aggregated (dBm)	Receiver sensitivity (dBm)
2.4GHz(802.11b/g)			
1Mbps	21	23.5	-90
6Mbps	20	22	-89
54Mbps	17	19	-76
2.4GHz(802.11n/HT20)			
MCS0/8	19	21	-91
MCS7/15	17	19	-74
2.4GHz(802.11n/HT40)			
MCS0/8	18.5	20.5	-89
MCS7/15	16.5	18.5	-72
5 GHz(802.11a)			
6Mbps	20	22	-90
54Mbps	17.5	19.5	-77
5 GHz(802.11n/HT20)			
MCS0/8	19	21	-90
MCS7/15	17	19	-74
5 GHz(802.11n/HT40)			
MCS0/8	18.5	20.5	-88
MCS7/15	17	19	-71
5 GHz(802.11ac/HT80)			
MCS0/8	18.5	20.5	-85
MCS7/15	15	18	-67