



Model: IAP-AC750 Series

Smart Cloud wifi Technology

- Enterprise Indoor Access Point
- IEEE 802.11ac Wave 2 compliant and backward compatible with 802.11ac/b/g/n
- Atheros Networking Processor
- 2.4 Ghz & 5 Ghz concurrent radios, 22dbm TX power
- Simultaneous 2.4Ghz and 5Ghz for 750Mbps of total available bandwidth
- Enhanced sensitivity performance
- Built-in 3x3 dBi Omni Smart Antenna
- Integrated Power-over-Ethernet (PoE)
- Support Wall-mounted or Ceiling-mounted
- RADIUS authentication & Fast Roaming across access points (AP)

Service & Management Features

- Smart Cloud Computing Wi Fi Technology
- IP from local DHCP server
- Zero-configuration Deployment
- Smart Controller System for WiFi
- Smart Reselection Channel(SRC)
- Unique SSID for whole Wi-Fi system
- Smart Roaming (seamlessly as mobile)
- Load balancing user on specified APs
- Smart repeater
- Wide coverage and high sensitivity
- User Management

Advanced Features

- Layer-2 Mesh via AODV Protocol.
- Support WiFi Multimedia (WMM) applications
- NMS via SNMP V1, 2c and 3.
- Bandwidth Control and Shaping.
- Multipurpose Access Point with Mesh (Gateway/Relay).
- Designed for PoE



SPECIFICATIONS

Type	Ceiling & Wall Mount Indoor AP
Standards	IEEE 802.11ac/b/g/n Wave 2
Band	2.4 GHz & 5 GHz
Max Speed	750 Mbps (Dual Band)
Stream	3x3 MU - MIMO
Maximum sessions	4000
Concurrent sessions	100 (Dual Band)
Antenna	3 x 3 Integrated smart Omni
Antenna Coverage	360°
Ethernet Ports	5 x 100 Mbps Ethernet Port
SFP Port	0
Power Supply	24V/1.2A PoE or 12V/2A DC power
Tx Power	22 dBm
Receiver Sensitivity	-96 dBm
Dimensions (Φ x H)	210 x 22 mm
Weight	0.35 kg (0.77 lb.)
Operating Temperature	-10°C to +50°C
Storage Temperature	-30°C to +70°C
Humidity	10 to 95% (non-condensing)
Certification	FCC, CE

FEATURES

Deployment Model	Stand-alone APs or Smart Cloud Controller Managed WiFi APs
Security	WEP, WPA/WPA2 with TKIP, AES Encryption, IP/MAC Filtering
Operation Modes	AP
Virtual AP	Yes
Auto Reboot	Yes
Client Isolation	Yes
Coverage Threshold	Yes
Firewall	Yes
DHCP Server/Client	Yes
VLAN	Yes
PPPoE Client	Yes
WMM	Yes
Automatic Channel Selection	Yes
Enable/Disable SSID	Yes
QoS	Yes

IAP-AC750 Series Features

Smart Cloud Wifi feature is the next leading generation which is the exclusive technology of Wicell Network. With Smart Cloud Wi-Fi technology, APs will operate extremely smart with dedicated high-end functionality without having to configure or administer. Smart Cloud Wifi is known for exceptional Wifi performance under the busy traffic network condition, simply plug in and get a consistently great Wifi experience – fast, reliable without worrying about interference.

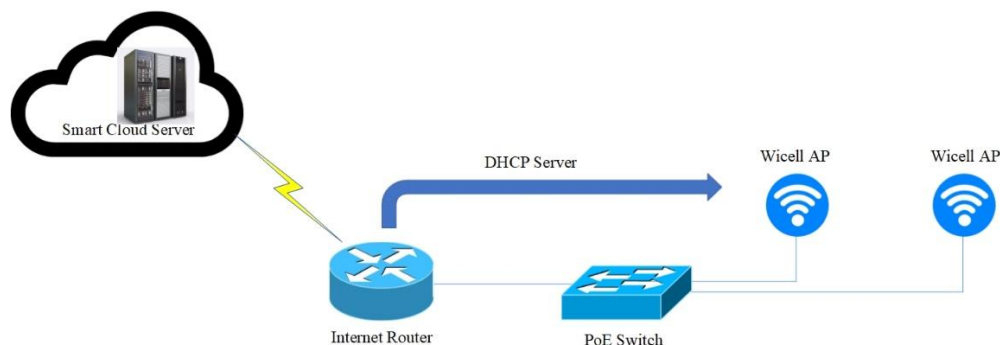
Cloud Computing Central Management System. Server located in Singapore - Viet Nam

The Wicell Central Management System is set in 2 different leading data centers in Singapore - Viet Nam in order to improve the speed between controller and APs as well as not affected by the speed of international Internet, while improving availability and ensuring the continuous operation system.



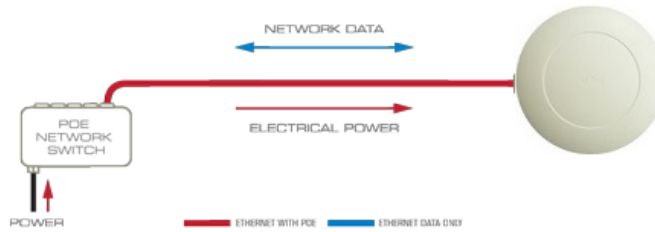
Manage AP through cloud computing via IP from LAN

Although the smart cloud Wi-Fi technology allows the administrator controls APs through the internet but the hint is that the APs use the local IP for data transmission in local network and connect to other IP devices in the same system.



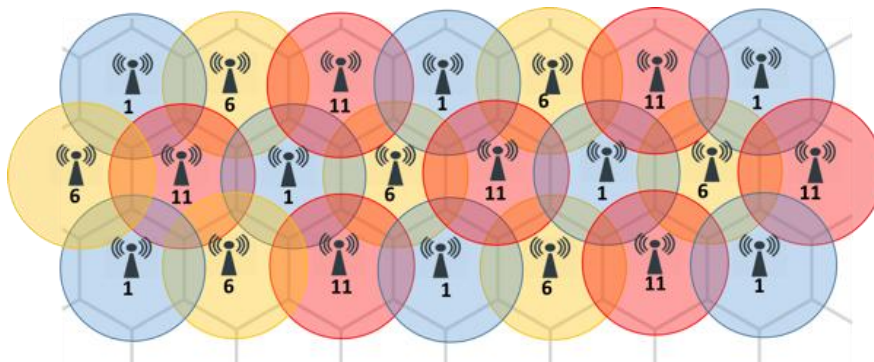
Zero-configuration Deployment

Plug and Play installation and intuitive management reduce the need for dedicated IT personnel resources.



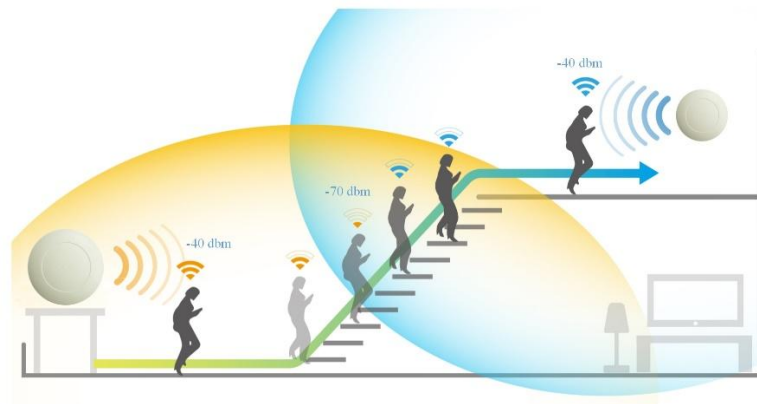
Smart Reselection Channel

The study showed that 80% problem caused glimmer wifi signals, having trouble connecting the internet or the postponing of internet connection is due to wireless channel interference. Channel interference is not only about conflicts RF between APs in the local wireless system but also neighbor wifi RFs. SMR feature designs solve the common interference issue in ceiling-mount deployments without rebooting the device, which make it an ideal, flexible solution for small business, hotels and school environments.



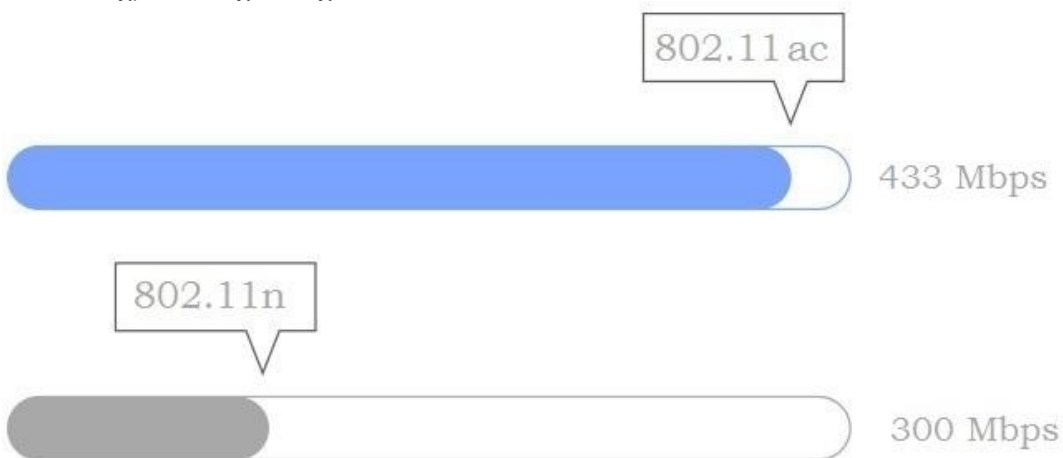
Full roaming – Move seamlessly as fast as mobile

Full Roaming allows user to transfer between wavebands in real-time. This feature allows users to stay connected to the nearest APs to optimize the access speed. Ensure that wherever users go, they get the access to wifi in the real-time.



High Performance Design With High-Speed 750Mbps Dual-Band 802.11ac/b/g/n

IAP-AC750 comes with the next generation Wi-Fi standard – 802.11ac, 3 times faster than wireless N speeds and delivering a combined wireless data transfer rate of up to 750Mbps. With 433Mbps wireless speeds over the crystal clear 5GHz band and 300Mbps over the 2.4GHz band, the IAP-AC750 is the superior choice for seamless HD streaming, online gaming and other bandwidth-intensive tasks.



High Power And Wide Coverage

Embed with signal amplifiers, the RF power can be 750mW, Internally equipped with 3x3 dBi antennas guarantee continuous Wi-Fi coverage range up to 2 times greater compare with other normal APs.

