



Data Sheet HTAP640AX-WIFI6

HTAP640AX-WIFI6 802.11ax in wall access point with **Gigabit Lan support poe power indoor soho hotel** **Enterprise multi-port embedded**



- Model: HTAP640AX WIFI6
- Provide dual 2.4G and 5G frequency, 2.4G 600Mbps and 5.8G 1200Mbps data rate
- SPI NOR 16MB+ 128MB Built-in for Higher Performance
- Gateway /AP Client operation modes
- IEEE802.3at PoE supports up to 100 meter (300 feet) deployment
- Support IEEE802.11a/ax/ac/n/g/b, concurrent users up to 200
- Wireless LAN Controller Central Management Support
- 1 x 10/100/1000M RJ45 WAN (PoE) Port, 3 x 10/100/1000M RJ45 LAN Port, 1 x RJ11

Wi-Fi 6 Enterprise Gigabit Wall-Mount Wireless Access Point

1800Mbps Wireless Access Point

MFAP640AX



Standard 86mm size



Dual Band



Gigabit Ports



1800Mbps



Support OFDMA



WPA3 encryption



MU-MIMO



Beam-forming



Automatic RF tuning



Seamless roaming



Active PoE power



Cloud Access

Chipset	MT7621DAT+MT7905DN+MT7975DN
Standard	802.11ax/ac/b/g/n
Flash	SPI NOR 16MB
Memory	128MB
2.4G Frequency	2.4GHz-2.484GHz
2.4G Wi-Fi standard	802.11b/g/n/ac/ax
5.8G Frequency	5150~5850MHz
5.8G Wi-Fi Standard	802.11 a/n/ac/ax
Interface	1 * 10/100 /1000 RJ45 WAN Port 4 * 10/100 /1000 RJ45 LAN Ports (Optional: 3*10/ 100/ 1000 RJ45 LAN, 1* RJ11) 1 * Reset button, press 10 seconds to revert to default setting
Antenna	2.4G: 2dBi; 5G: 4dBi
Data Rate	1800Mbps
End Users	120+

RF Power	2.4G≤20dBm; 5.8G≤19dBm
PoE	48V (IEEE 802.3af/at)
LED light	Sys
Power Consumption	≤ 14W
ESD	±6KV
Size	86mmX86mmX45mm

Firmware Specification

Working Mode	Gateway, AP
	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
Wireless Functions	Support seamless roaming, 802.11kvr standard.
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP,

Support MAC filter

Support Wi-Fi time on/off to save energy

Support client isolation to improve the wireless stability

Support RF power adjustable, adjust the RF power based on environment.

Support user quantity limited, Max 64 users to access each band.

VLAN settings

Networking Function

Cloud access support in gateway mode

Back-up the configuration

Restore the configuration

Reset to factory default

Device Management

Reboot the device: including time reboot or reboot immediately

Admin management password modify

Firmware upgrade

System log

Support firmware GUI web management, AC controller management, remote management and cloud management

Protocols

IPv4



2.5Gbps is more suitable for server connections of server racks and monitoring devices/computers.

5.0Gbps is more suitable for large data flow. It is applicable to all kinds of servers, storage controllers, etc.

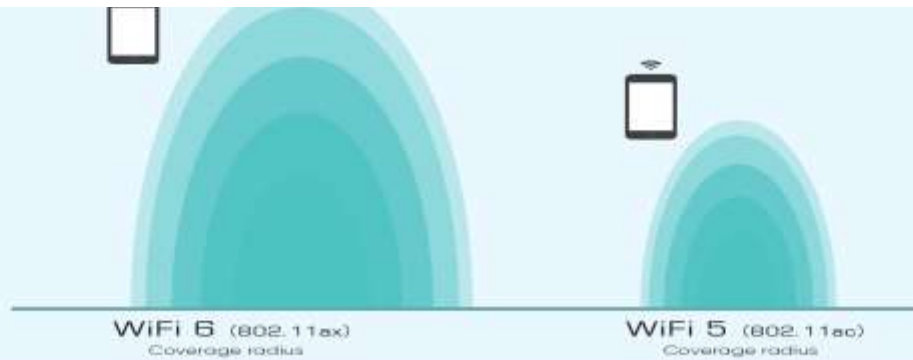
Gigabit Ports Higher Data Rate Better Ethernet Experience

All Gigabit PoE+ ports, greatly improved the speed, meet with high-speed Ethernet request, provide more stable wireless signal for more users.

WAN: 1*1000Mbps
LAN: 5*1000Mbps

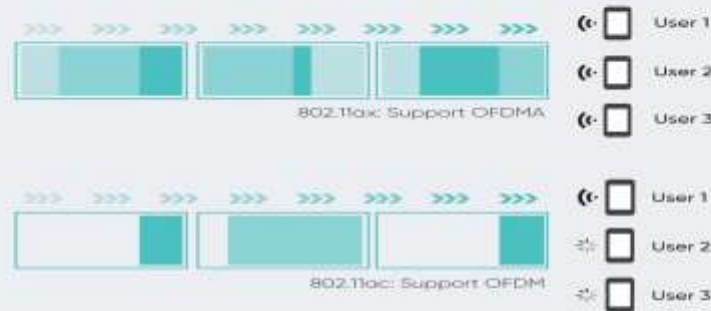
Long OFDM Symbol transmission mechanism, effectively reduce packet loss rate, increase the Wi-Fi coverage

Wi-Fi802.11a) support 2MHz narrow band through longer OFDM symbol transmission mechanism, effectively reduce the packet loss rate and noise interference, improve the receive sensitivity and increase the Wi-Fi coverage.



OFDMA

The WLAN channel is subdivided into several narrower sub-channels; By AP scheduling, multiple users can flexibly occupy the channel, which can reduce the conflict and backoff of multiple users in the traditional protocol, effectively reduce the network delay and improve the network speed.



TWT(Target Wake-up Time)

802.11ax support TWT, allowing devices to negotiate when should wake up, send and receive data. In addition, wireless AP can group the device into different TWT cycles, increase sleep time, reduce the device competing after wake-up, and save the device power.

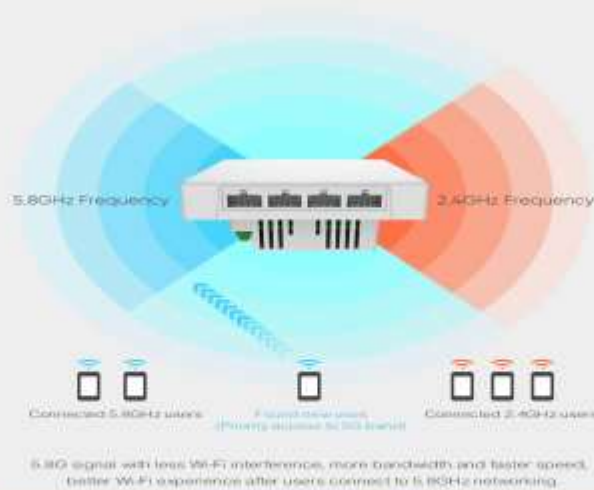
802.11ax

802.11ac



5G Prior (Improved the wireless networking performance)

Automatically calculate the load balance and signal strength of 2.4GHz and 5.8GHz, allocate the users to 5.8GHz pure frequency, ensure the high-quality internet experience.



● Signal Strong ● Signal Weak

Channel optimization Automatically select the optimal channel Improve the performance of wireless network

Enable the channel optimization, automatically select the best channel, improve the wireless networking performance.

Wi-Fi and LTE work together with AGG gateway

Wave2 MU-MIMO beamforming technology High speed for all end users

802.11ac support both downlink MU-MIMO and uplink MU-MIMO. It can communicate with multiple end users at the same time, reduce the terminal application latency; Together with beam forming technology, automatically detect user's location, then forming the Wi-Fi signal to users, provide high speed and stable signal for all users.

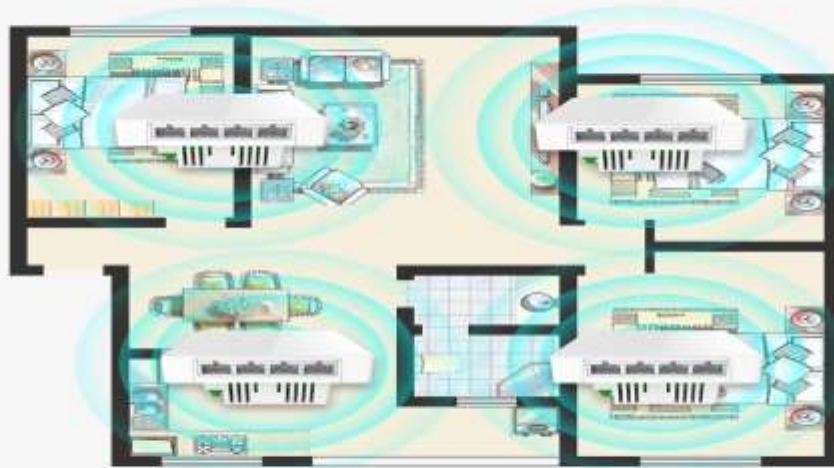


FAP640 4x4MIMO

Seamless Roaming, Wi-Fi connection at anywhere

Support seamless roaming, end users will switch and connect to the wireless AP with stronger wireless.

signal under the multiple AP environment; No loss even moving, improve the Wi-Fi experience



Gigabit ports, Active PoE Support

Support active 48V PoE, can be powered by PoE switch with LAN cable, convenient in installation and construction



Multiple Application Scene

It is widely used in hotel, villa, house, KTV, hospital



Villa



Hotel



Small office



School



Hospital