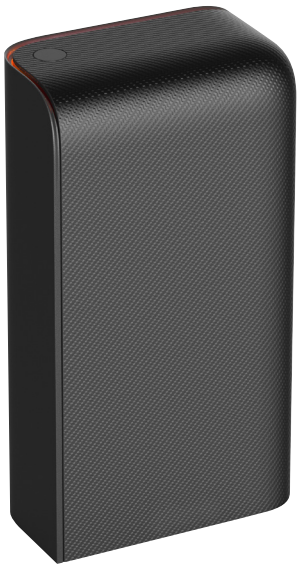
HFR,Inc.
for Mobile Internet

11ax 4X4 WiFi AP

H854AX



Key Features and Benefits

- WAN : 1 x 100M/1G/2.5G/5G/10G BASE-T port
- LAN : 1 x 100M/1G/2.5G/5G/10G BASE-T port
  : 3 x 10/100/1000 BASE-T ports
- IEEE 802.11ax Dual-band, 4T4R
- IEEE 802.11ah HaLow (900MHz)
- Support Max.160MHz, 1024 QAM
- Support OFDMA, BSS Coloring
- Max PHY Rate : 1.15Gbps (2.4 GHz),
  4.8Gbps (5 GHz), 15Mbps(900MHz)
- IEEE 802.11a/b/g/n/ac terminal compatibility
- Long range IOT with IEEE 802.11ah

Overview

The H854AX is an 11ax 4T4R Triple-band Home AP device that can be connected to high-end network equipment with 100M/1G/2.5G/5G/10G BASE-T.

IEEE 802.11ax is a next-generation WiFi technology that can efficiently provide service according to the amount of traffic per subscriber in a dense apartment, subway station, airport, stadium and many domestic IoT terminal environments with suitable service technology in high density overlapping wireless LAN environment.

IEEE 802.11ah is a new WiFi technology that can guarantee long range transmitting data with low power consumption. It is suitable for IOT application such as home automation, smart grid, smart city, commercial drone wearable and low power sensors.

For more information

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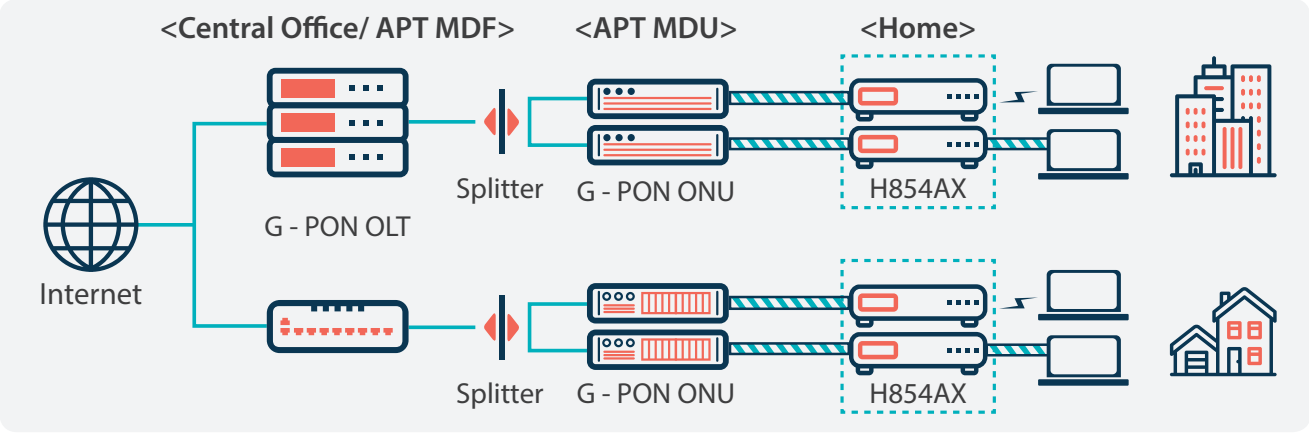
H854AX Technical Specifications

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Hardware	• Ethernet Port WAN : 1 x 100M/1G/2.5G/5G/10G BASE-T port LAN : 1 x 100M/1G/2.5G/5G/10G BASE-T port 3 x 10/100/1000 BASE-T ports • ANT Gain : 4T4R, Internal type • Radio Power : 23 dBm • USB : 3.0 * 1 • IOT Module : IEEE802.11ah HaLow • LED : Power, WAN1, LAN1-4, 2.4G, 5G
Capacity & Performance	• IEEE802.11a/b/g/n/ac/ax • OFDMA, 1024 QAM, MU-MIMO • Max PHY Rate : 1.15Gbps(2.4GHz), 4.8Gbps(5GHz) • Concurrent Access Criteria : Up to 250 Client per AP(2.4G / 5G) • Bridge or NAT (Router) mode support • NAT Function: port-forwarding, DMZ, etc • IEEE802.11ah HaLow : 15Mbps(900MHz) PHY rate : Coverage up to 1.5KM
Networking and QoS	• Multiple SSIDs / BSSIDs • Auto channel selection to minimize interference • DHCP server, DHCP client and DHCP relay • IGMP proxy, IGMP snooping support • IPv4, IPv6 • IEEE 802.1p, ToS or DSCP QoS support • IEEE 802.11e (WMM) support • Smart Reset

Security Function	• Wireless Authentication / Security : WEP (64 bit or 128 bit), WPA, WPA2, WPA3, 802.1x : Encryption: TKIP, AES, EAP-TLS, PEAP, EAP-TTLS, EAP-SIM, EAP-AKA • Wired Security : Access control, Storm control : DDoS, Hacking Prevention
Physical Dimensions (mm)	• 213 (W) × 121 (H) × 63 (D)
Environmental Specs	• Operating Temperature: -5°C ~ 50°C • Storage Temperature : -30°C ~ 60°C • Operating Humidity (non- condensing): 10% ~ 90%
Power	• Input Voltage: 100 ~ 240VAC • Power Consumption: DC 12V/4A, Max. 48 Watt

Configuration



UTP

Optical fiber

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