

AX6000 2.5Giga-ETH Home Gateway

ZXHN H6645P

Overview



ZXHN H6645P is a new generation home gateway in compliance with Wi-Fi 6 (802.11ax), supporting 160MHz@5GHz. It can simultaneously provide services on 2.4GHz (4x4 MIMO) and 5 GHz (4x4 MIMO) frequency bands, achieving the ultra-high speed up to 6000Mbps.

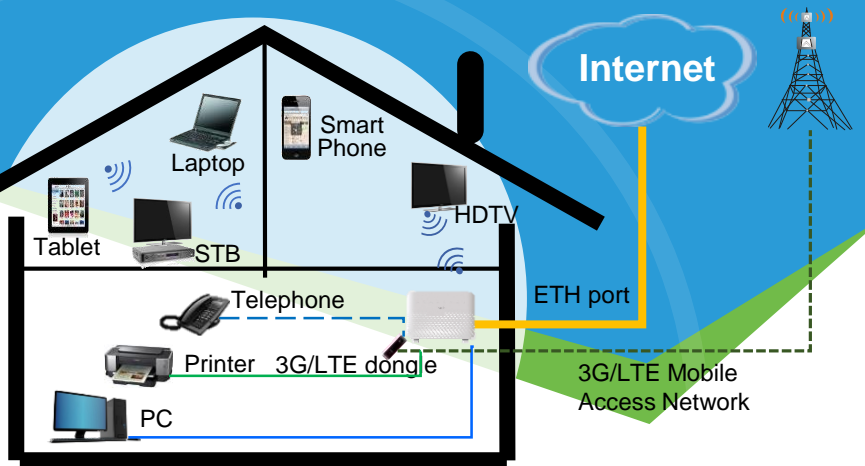
The device is equipped with 2.5GE uplink and 2.5GE downlink ports, providing high bandwidth and high throughput for IP networking.



Highlights

2.5Giga-ETH WAN & LAN Ports

- 2.5GE WAN & LAN
- Providing high bandwidth and high throughput for IP networking and playing the role as home gateway in FTTx network launched.



High Efficient Wi-Fi 6 (802.11ax)

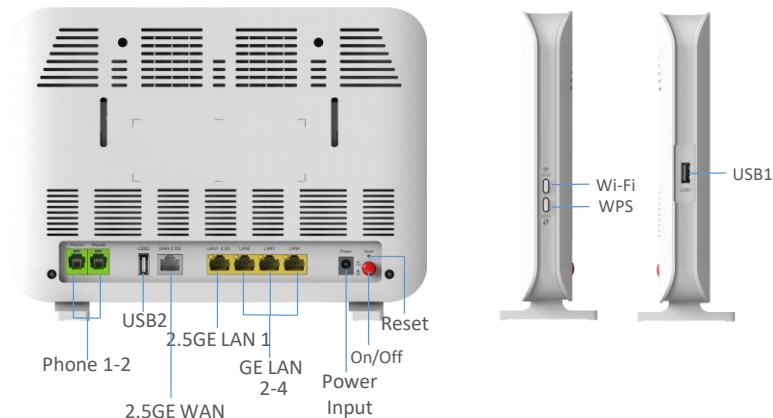
- Dual band concurrent Wi-Fi 6 up to 6000Mbps
- OFDMA and uplink/downlink MU-MIMO enable high efficiency

More Flexible Management

- Remote management via TR-069 protocol
- WEB GUI based management
- TR-064 LAN-side configuration protocol

Specifications

Interfaces	WAN	• 2.5GE
	LAN	<ul style="list-style-type: none"> • 2.5GE, 3xGE • 2xFXS • 4x4 802.11b/g/n/ax @2.4GHz • 4x4 802.11a/n/ac/ax @5GHz • 1xUSB2.0+1xUSB3.0 • Zigbee (Optional)
Buttons	<ul style="list-style-type: none"> • On/off • Reset 	<ul style="list-style-type: none"> • WPS • Wi-Fi
LEDs	<ul style="list-style-type: none"> • Power • Broadband • Internet • LAN 	<ul style="list-style-type: none"> • 2.4G • 5G • WPS • Voice
Antenna	• Internal antennas	



* The LEDs information is just for reference. The real casing may be different.



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Features

Wi-Fi

- Wi-Fi 6 enables OFDMA and MU-MIMO
- Spatial Reuse
- Target-Wakeup Time
- Manual/Auto radio channel selection
- Open System/Shared Key authentication
- WPA/WPA2/WPA3 Security
- Four broadcast/hidden SSIDs on each band

Networking

- Port mapping/DMZ/Virtual server
- UPnP IGD with NAT traversal capability
- Static routing/dynamic routing
- Dynamic DNS relay
- DHCP client/server
- IGMP and MLD snooping/proxy

Security

- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) prevention
- Multiple VPN (IPSec, PPTP, L2TP) passthrough
- MAC/IP/URL filtering
- Service based access control

QoS

- Flexible packet classification
- Up to eight queues
- SP/WRR/SP+WRR
- Wi-Fi Multimedia (WMM)
- WEB GUI and TR-098 data model

Mature IPv6 Capability

- IPv4/IPv6 Dual Stack
- DS-Lite
- 6rd

Management

- TR-069 remote management
- Web GUI management
- Local built-in diagnostic function
- Logs and statistics
- Remote upgrade by HTTP/HTTPS

Other Characteristics

Electrical	<ul style="list-style-type: none"> • AC adapter: 12V DC, 3A
Characteristics	<ul style="list-style-type: none"> • Net weight: About 700 g (include power adapter) • Dimensions: 264x199x65 mm
Environmental	<ul style="list-style-type: none"> • Operating temperature: 0 °C~ 40°C • Humidity: 5% ~ 95% (non-condensing)
Certification	<ul style="list-style-type: none"> • CE certification • Wi-Fi 6 certification