AC1200 Wireless Dual Band Gigabit Modem Router

ZXHN H298A

Product Highlights

- Dual band concurrent Wi-Fi up to 1200Mbps enables multiple wireless HD video streams
- Advanced telephony features with embedded DECT base station and VoIP functionalities
- Full Gigabit ports ensure ultrafast data transfer speeds
- USB 2.0 for shared storage or 3G/LTE Dongle
- Optional external antennas

Overview

ZXHN H298A AC1200 Wireless Dual Band Gigabit modem router is an incredibly fast router delivering AC1200 Wi-Fi and Gigabit Ethernet speeds. With 802.11ac technology, you get 3x faster access than with similar 802.11n technology and more reliable streaming. A dedicated Gigabit Ethernet WAN port , which makes H298A ideal for deployment in FTTH scenario. It delivers the speed and reliability needed for applications such as smooth, lag-free, multiple HD video streaming, multi-layer gaming, Voice over IP and ultra-fast speed for a secure and reliable connection to the Internet. Integrated DECT CAT-iq 2.0 base station could support high definition voice services. It can support up to five handsets and work seamlessly with CAT-iq 2.0 certifiable DECT handsets.

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Features

Incredible Wi-Fi Speeds
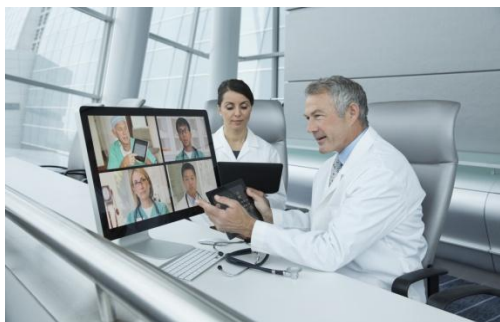
High Quality Streaming

High Definition Voice

■ State-of-the-art 802.11ac and 802.11n Dual Band Concurrent Wi-Fi

The H298A supports 802.11b/g/n Wi-Fi@2.4GHz(2x2) and 802.11a/n/ac Wi-Fi@5GHz(2x2) in Dual-Band concurrent Wi-Fi mode. Its Wi-Fi speed can reach up to 1200Mbps, consisting of 300Mbps(802.11n 2x2 @2.4GHz) and 867Mbps(802.11ac 2x2 @5GHz).

■ Integrated DECT Base Station for HD voice

Integrated DECT CAT-iq 2.0 base station could support high definition voice services . It can support up to five handsets and work seamlessly with CAT-iq 2.0 certifiable DECT handsets.

■ Effortless Support for Multiple HD Video Streams

With the 11ac Wi-Fi and Gigabit Ethernet interface, the H298A could support multiple HD video streams simultaneously and effortlessly.

■ Mature IPv6 Capability

With supporting IPv4/IPv6 Dual Stack, the H298A helps operators and end users to achieve a future-proof network with smooth evolution.

■ Advanced Content Sharing: DLNA Media Server

The H298A can act as a DLNA Digital Media Server(DMS). Any DLNA Digital Media Player (DMP) connected to the network, could find and play all the media content including video, music and photos on the storage connected to the USB ports on H298A.

■ Quality of Service (QoS)

The QoS features on H298A enable service providers to design QoS policies and prioritize mission-critical services such as IPTV and Internet freely based on their individual service plans. This in turn allows service providers to deliver real multi-play applications to users and increase network efficiency.

■ Robust TR-069 Remote Management

The H298A works with TR-069 standard management specifications, allowing remote management and diagnosis, reducing the manpower needed for on-site maintenance, and increasing CSI (Customer Satisfaction Index). This unique feature not only offers users a true "plug-and-play" experience but also reduces deployment complexity, thereby saving operation and maintenance costs.

Technical Specifications

Hardware	
Interfaces	• 1 10/100/1000Mbps RJ-45 WAN port • 4 10/100/1000Mbps RJ-45 LAN ports • 2 RJ-11 FXS ports • 1 USB 2.0 port
Buttons	• Power ON/OFF • WPS • Reset • Wi-Fi • DECT
LEDs	• Power, Broadband, Internet, WLAN, WPS, Phone, USB, DECT
Antenna	• Internal antennas(Optional external antennas)
Wi-Fi	• Frequency: 2.4 GHz, 5GHz • IEEE 802.11a/n/ac Wi-Fi @ 5GHz(2x2) • IEEE 802.11b/g/n Wi-Fi @ 2.4GHz(2x2) • WEP/WPA/WPA2 Security • Up to four broadcast/hidden SSIDs on each band
DECT	• CAT-iq 2.0 ready • Up to 5 simultaneous handsets
USB	• File/ Printer sharing • DLNA DMS • USB backup/restore configuration • 3G/LTE dongle

Software	
Networking	• IPv4/IPv6 Dual Stack • NAT/PAT/ALG • 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
QoS	• Flexible packet classification • Up to eight queues • SP/DWRR/SP+DWRR • Wi-Fi Multimedia (WMM)

## *Technical Specifications*

Software	
Security	• Stateful Packet Inspection (SPI) • Denial of Service (DoS) prevention • Multiple VPN (IPSec, PPTP,L2TP) passthrough • MAC/IP/URL filtering • Black and white list
Management	• TR-069 remote management • Web GUI management • Local built-in diagnostic function • Logs and statistics • Remote upgrade by HTTP

Others	
Electrical Characteristics	• AC adapter: 12V DC, 2A
Physical Characteristics	• Net weight: 350 g • Dimensions: 210x140x32 mm
Environmental Characteristics	• Operating temperature: 0 ° C~ 40° C(32° F ~ 104° F) • Humidity: 5% ~ 95% (non-condensing)
Certification	• CE certification • Wi-Fi certification

Note: Not every listed feature will be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.
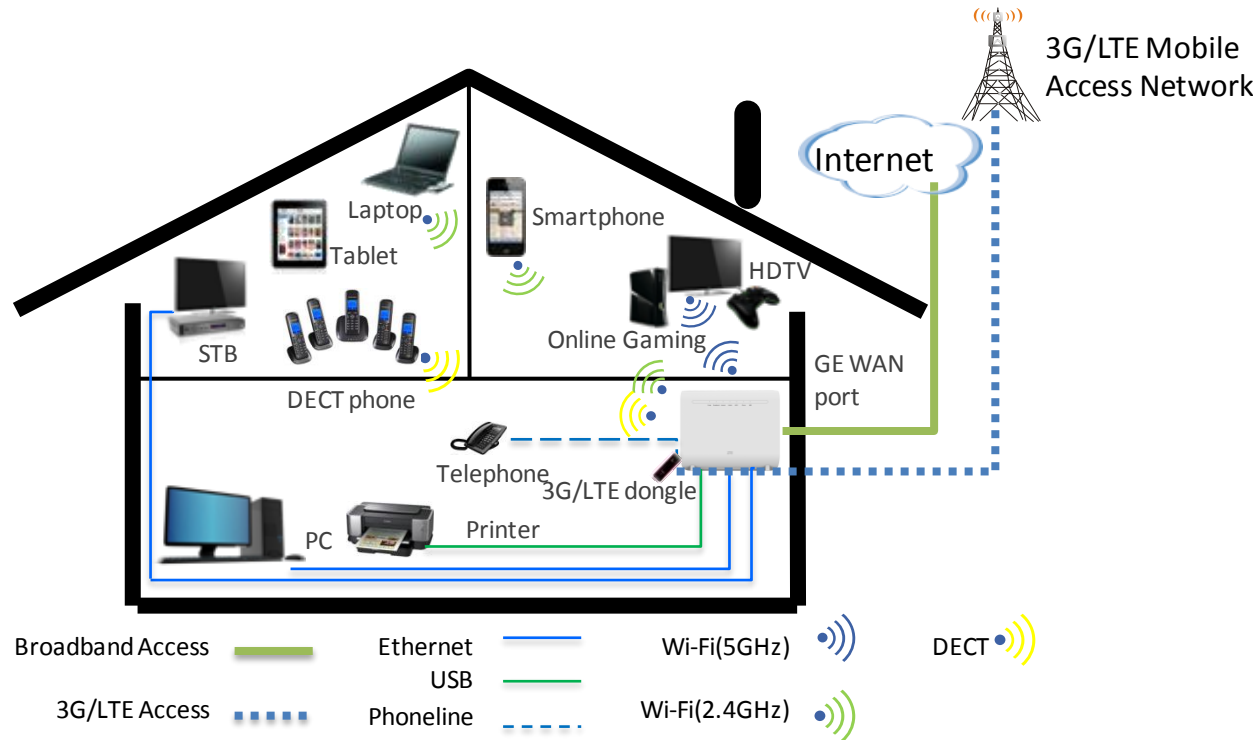
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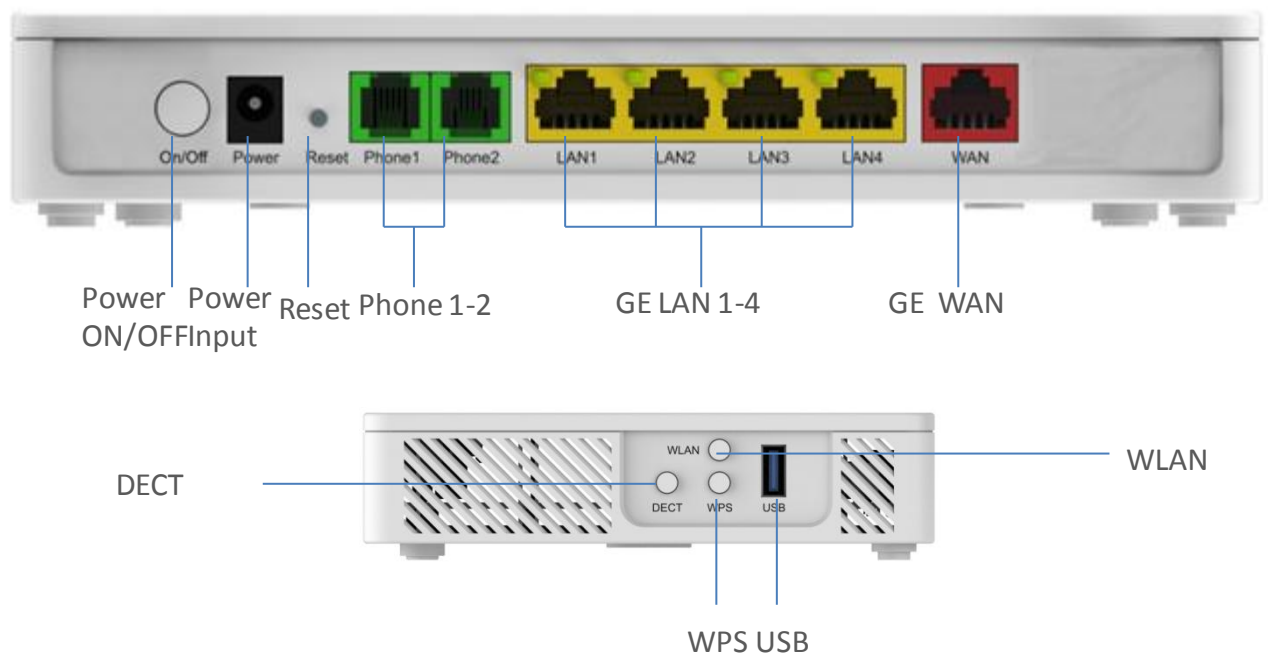
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Connection Diagram

Power ON/OFF
Power Input
Reset
Phone 1-2
GE LAN 1-4
GE WAN

DECT
WLAN
WPS USB

Application Scenario

3G/LTE Mobile Access Network

Internet

Laptop
Smartphone
Tablet
HDTV
STB
Online Gaming
DECT phone
GE WAN port
Telephone
3G/LTE dongle
PC
Printer

Broadband Access	Ethernet	Wi-Fi(5GHz)	DECT
3G/LTE Access	USB	Wi-Fi(2.4GHz)	
	Phoneline		

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