AC1200 Wireless Dual Band Gigabit VDSL2 Modem Router

ZXHN H288A

Product Highlights

- Dual band concurrent Wi-Fi up to 1200Mbps for multiple wireless HD video streams
- Auto sensing VDSL2/ADSL2+ full profiles/Gigabit Ethernet WAN
- Full Gigabit ports ensure ultrafast data transfer speeds
- USB 2.0 for shared storage or 3G/LTE Dongle

Overview

ZXHN H288A AC1200 Wireless Dual Band Gigabit VDSL2 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. It delivers the speed and reliability needed for applications such as smooth, lag-free, multiple HD video streaming, multi-player gaming, Voice over IP and ultra-fast speed for a secure and reliable connection to the Internet. What's more, H288A features a Gigabit Ethernet WAN port , which makes H288A ideal for deployment in FTTH scenario, giving you the flexibility to access the Internet using whichever method is most convenient.
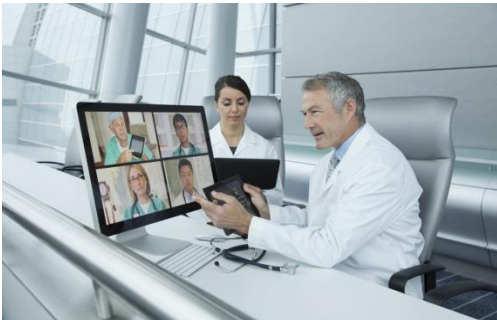
Features

Incredible Wi-Fi Speeds

High Quality Streaming

Easy Content Sharing

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

The H288A supports 802.11b/g/n Wi-Fi and 802.11a/n/ac Wi-Fi in Dual-Band concurrent Wi-Fi mode. Its Wi-Fi speed can reach up to 1.2Gbps, consisting of 300Mbps(802.11n 2x2 @2.4GHz) and 867Mbps(802.11ac 2x2 @5GHz).

■ **Multiple WAN access options and Auto WAN Sensing**

The H288A can support full profiles of VDSL2 and ADSL2+. Besides, a dedicated Gigabit Ethernet WAN port makes the gateway ideal for deployment in FTTH scenarios. All of the WAN access options could be auto sensed.

■ **Effortless Support for Multiple HD Video Streams**

With the 11ac Wi-Fi and Gigabit Ethernet interface, the H288A could support multiple HD video streams simultaneously and effortlessly.

■ **Mature IPv6 Capability**

With supporting IPv4/IPv6 Dual Stack, the H288A helps operators and end users to achieve a future-proof network with smooth evolution.

■ **Advanced Content Sharing: DLNA Media Server**

The H288A 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 H288A.

■ **Quality of Service (QoS)**

The QoS features on H288A 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 H288A 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 • 1 RJ-11 VDSL2/ADSL2+ 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 Radio
LEDs	• Power, Broadband, Internet, 2.4G, 5G, WPS, Phone1, Phone2, USB
Antenna	• Internal antennas
VDSL Standards	• G.993.2 VDSL2 (Up to 35b profile) • G.993.5 (G.vectoring) compliance, G.998.4 (G.INP) compliance • Bandplan: Annex A/B • Dual latency • UPBO/DPBO • Double-end line test(DELT) • RFI Notching • Bit Swap
ADSL Standards	• G.992.1 (G.dmt), G.992.2 (G.lite), G.992.3 (ADSL2),G.994.1(G.hs) • G.992.5 (ADSL2+) ,G.997.1 • Annex A/B/I/J/L/M • ADSL physical connection ATM AAL5 • Supports multiple protocols over • AAL5 (RFC2684/1483)
Wi-Fi	• 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
VoIP	• Session Initiation Protocol (SIP) • Codec: G.711, G.729a/b, G.723, G.726 • RTP/RTCP (RFC 1890) • Echo cancellation • VAD/CNG • DTMF • T.38 FAX • Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/ 3-way Conference
USB	• File/ Printer sharing • DLNA DMS • USB backup/restore configuration • 3G/LTE dongle

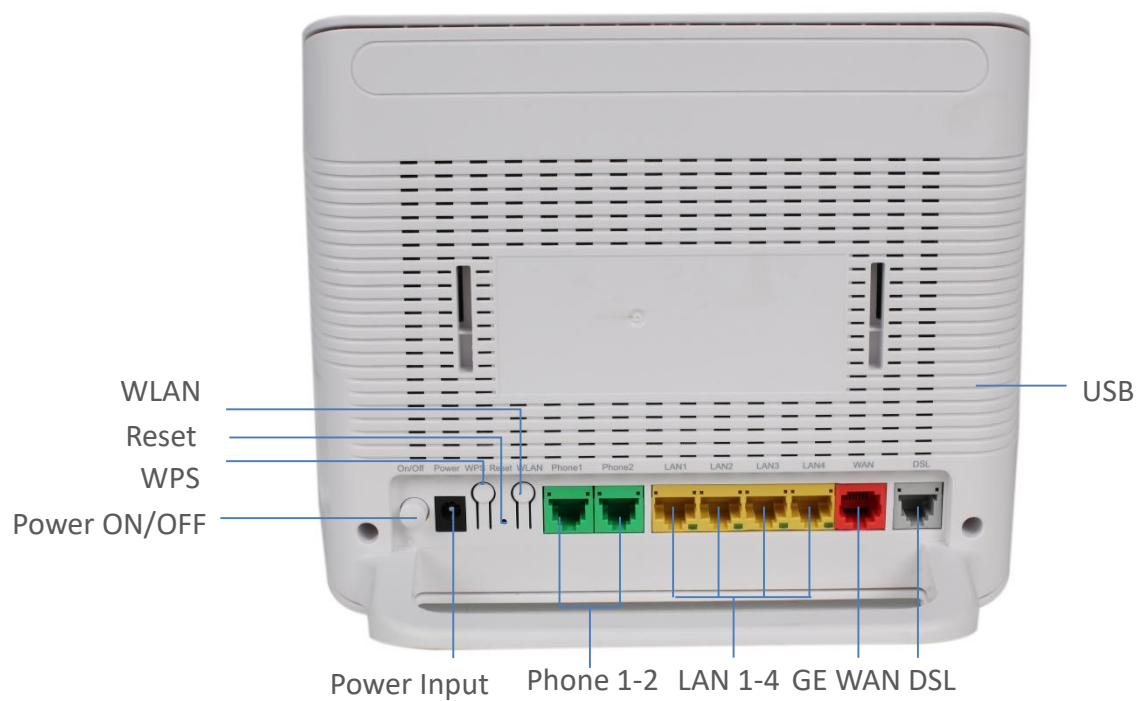## Technical Specifications

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)
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, 1.5A • Power consumption: 10.1 Watts
Physical Characteristics	• Net weight: 350 g • Dimensions: 221x186x89 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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AC1200 Wireless Dual Band Gigabit VDSL2 Modem Router   Datasheet H288A

Connection Diagram

WLAN
Reset
WPS
Power ON/OFF
USB

Power Input   Phone 1-2   LAN 1-4   GE WAN DSL

Application Scenario

3G/LTE Mobile
Access Network

Internet

Smartphone
Laptop
HDTV
Online Gaming
STB
Tablet
Telephone
3G/LTE dongle
PC
Printer

VDSL2/GE
WAN port

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