

# AC1600 Wireless Dual Band Gigabit VDSL/ADSL Modem Router

## ZXHN H268A



### Product Highlights

- Supports 801.11ac – the next generation of Wi-Fi
- Simultaneous 2.4GHz 300Mbps and 5GHz 1300Mbps connections for 1600Mbps of total available bandwidth
- VDSL/ADSL auto detection for universal DSL support
- Gigabit Ethernet WAN offers another broadband connectivity option for connecting cable, VDSL of fiber modems
- Full Gigabit ports ensure ultrafast data transfer speeds

### Overview

ZXHN H268A AC1600 Wireless Dual Band Gigabit VDSL/ADSL modem router is an incredibly fast router delivering AC1600 Wi-Fi and Gigabit Ethernet speeds. This DSL modem router provides a fast VDSL modem for fiber broadband and it also works with ADSL connections. With this AC1600 modem router 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, multiple player gaming, Voice over IP and ultra-fast speed for a secure and reliable connection to the Internet. What's more, H268A features a Gigabit Ethernet WAN port, which allows for another broadband connectivity technology instead of VDSL/ADSL to be connected, giving you the flexibility to access the Internet using whichever method is most convenient.

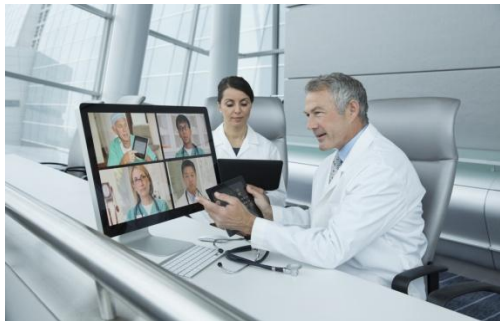
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### Features



#### Incredible Wi-Fi Speeds



#### High Quality Streaming

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

The H268A supports 802.11b/g/n Wi-Fi@ 2.4GHz(2x2) and 802.11a/n/ac Wi-Fi@ 5GHz(3x3) in Dual-Band concurrent Wi-Fi mode. Its Wi-Fi speed can reach up to 1.6Gbps, consisting of 300Mbps(802.11n 2x2 @ 2.4GHz) and 1300Mbps(802.11ac 3x3 @ 5GHz).

#### ■ Full GE Ports for Speeds 10x Faster Than Fast Ethernet

Gigabit Ethernet ports are available on both WAN and LAN (home networking) sides. With Gigabit Ethernet ports, users can watch online HD videos, download large files and share massive amounts of data inside home to enjoy high bandwidth.

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

With the 11ac Wi-Fi and Gigabit Ethernet interface, the H268A could support multiple HD video streams simultaneously and effortlessly.

#### ■ Mature IPv6 Capability

With supporting IPv4/IPv6 Dual Stack, the H268A helps operators and end users to achieve a future-proof network with smooth evolution.

#### ■ Quality of Service (QoS)

The QoS features on H268A 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 H268A 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.

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### Technical Specifications

#### Hardware

Interfaces	<ul style="list-style-type: none"><li>• 1 10/100/1000Mbps RJ-45 WAN port</li><li>• 1 RJ-11 VDSL2/ADSL2+ port</li><li>• 4 10/100/1000Mbps RJ-45 LAN ports</li><li>• 2 RJ-11 FXS ports</li><li>• 1 USB 2.0 port</li></ul>
Buttons	<ul style="list-style-type: none"><li>• Power ON/OFF</li><li>• WPS</li><li>• Reset</li><li>• WLAN</li></ul>
LEDs	<ul style="list-style-type: none"><li>• Power, Broadband, Internet, WLAN, WPS, Phone, USB</li></ul>
Antenna	<ul style="list-style-type: none"><li>• Internal antennas</li></ul>
VDSL Standards	<ul style="list-style-type: none"><li>• G.993.2 VDSL2 (Up to 17a profile)</li><li>• G.993.5 (G.vectoring) compliance</li><li>• G.INP</li><li>• Dual latency</li><li>• UPBO/DPBO</li><li>• Double-end line test(DELT)</li><li>• RFI Notching</li><li>• Bit Swap</li></ul>
ADSL Standards	<ul style="list-style-type: none"><li>• G.992.1 (G.dmt), G.992.2 (G.lite),</li><li>• G.992.3 (ADSL2),G.994.1(G.hs),</li><li>• G.992.5 (ADSL2+) ,G.997.1</li><li>• ADSL physical connection ATM AAL5</li><li>• AAL5 (RFC2684/1483)</li></ul>
Wi-Fi	<ul style="list-style-type: none"><li>• Frequency: 2.4 GHz, 5GHz</li><li>• IEEE 802.11a/n/ac Wi-Fi @ 5GHz(3x3)</li><li>• IEEE 802.11b/g/n Wi-Fi @ 2.4GHz(2x2)</li><li>• WEP/WPA/WPA2 Security</li></ul>

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### Technical Specifications

#### Software

Networking	<ul style="list-style-type: none"><li>• IPv4/IPv6 Dual Stack</li><li>• NPAT</li><li>• Port forwarding</li><li>• UPnP IGD with NAT traversal capability</li><li>• Static routing</li><li>• Dynamic DNS relay</li><li>• DHCP client/server</li><li>• IGMP and MLD snooping/proxy</li></ul>
QoS	<ul style="list-style-type: none"><li>• Flexible packet classification</li><li>• Up to eight queues</li><li>• SP/DWRR/SP+DWRR</li><li>• Wi-Fi Multimedia (WMM)</li></ul>
Security	<ul style="list-style-type: none"><li>• Stateful Packet Inspection (SPI)</li><li>• Denial of Service (DoS) prevention</li><li>• Multiple VPN (IPSec, PPTP,L2TP) passthrough</li><li>• IP filtering</li></ul>
Management	<ul style="list-style-type: none"><li>• TR-069 remote management</li><li>• Web GUI management</li><li>• Local built-in diagnostic function</li><li>• Remote upgrade by HTTP</li></ul>

#### Others

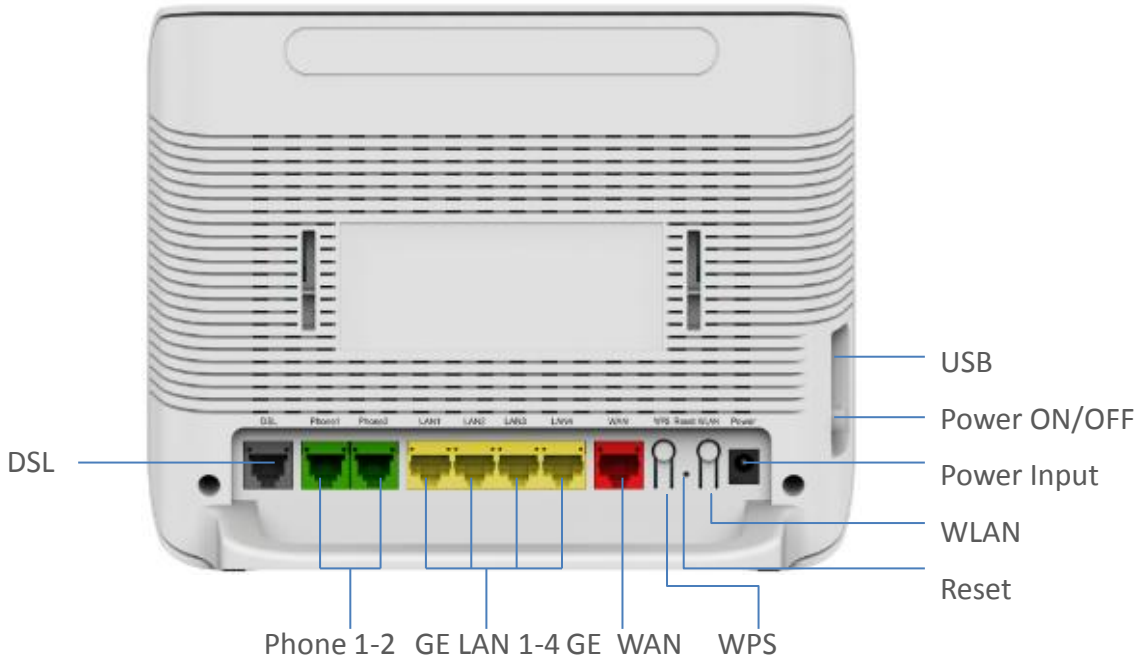
Physical Characteristics	<ul style="list-style-type: none"><li>• Net weight: 436g</li><li>• Dimensions(LxWxH): 221x180x33 mm</li></ul>
Environmental Characteristics	<ul style="list-style-type: none"><li>• Operating temperature: 0 ° C ~ 40° C (32° F ~ 104° F )</li><li>• Humidity: 5% ~ 95% (non-condensing)</li></ul>
Certification	<ul style="list-style-type: none"><li>• NBN Ready</li><li>• RCM certification</li><li>• Wi-Fi certification</li></ul>

**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.

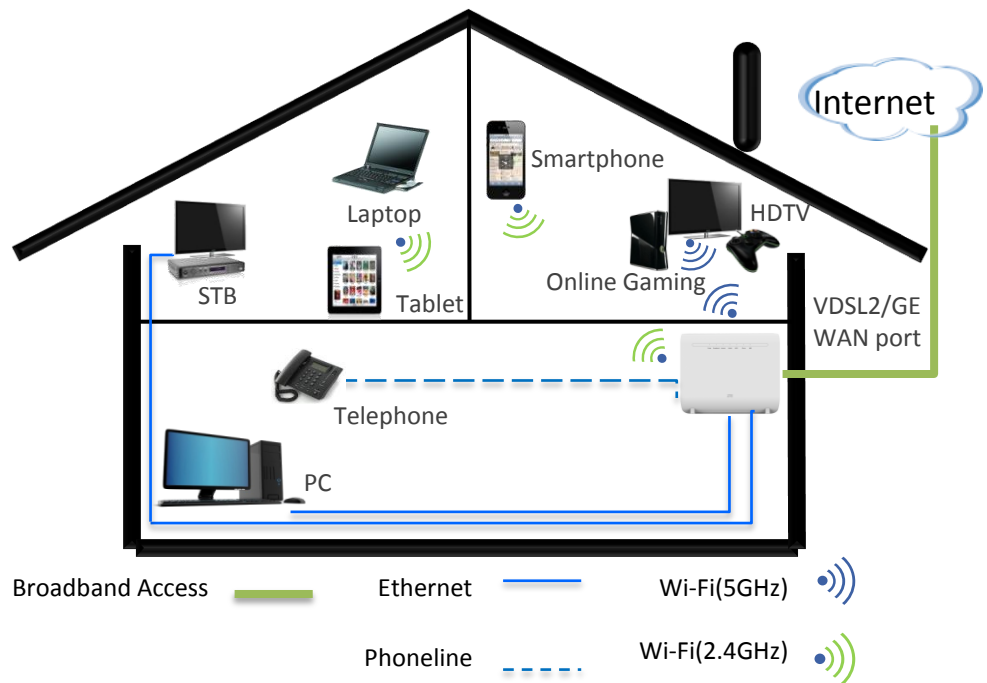
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### Connection Diagram



### Application Scenario



ZTE CORPORATION

NO.55,Hi-tech Road South, Shenzhen, P.R.China Postcode:5180057  
 Website: www.zte.com.cn Tel: +86-755-26770000 Fax: +86-755-26771999