ZXHN H108N

Advanced ADSL2+ Gateway
with 300Mbps 802.11n Wi-Fi

The H108N is a Wireless ADSL2+ modem with four Ethernet interfaces and IEEE 802.11 b/g/n(2x2) Wi-Fi interface and one USB interface. It is used for broadband access and IPTV service at home. The integration of TR-069 technologies facilitates the automatic installation and automatic provisioning of services.

Highlights

High Speed ADSL2+ Capability

The H108N supports ADSL2+ high speed access and is backward compatible with ADSL2 and ADSL. With speed up to 24Mbps (ADSL2+) or 12Mbps (ADSL2), the H108N offers higher data transfer rates and better bandwidth than traditional ADSL Modems. Users can enjoy broadband multimedia applications much easier than before.

Superior Wireless 11n Transmission Performance

Adopting advanced 11n technologies, the H108N creates a superior wireless performance. With data rates up to 300Mbps, data transmission within the LAN becomes more efficient in the high bandwidth applications. In addition, the H108N is fully backward compatible with any IEEE 802.11b/g Wi-Fi certified devices.

Multiple USB functions

Its USB port can be connected with USB HDD, Flash Disk or printers to act as file server and print server so that it can easily support configuration backup and restore, file sharing and network shared printing. And it can provide data service backup via 3G dongle.

Mature IPv6 Capability

With supporting IPv4/IPv6 Dual Stack and DS-Lite, the H108N helps operators and end users to achieve a future-proof network with smooth evolution.

Quality of Service (QoS)

The QoS features on H108N enable service providers to design QoS policies and prioritize mission-critical services such as IPTV and VoIP 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 H108N works with TR-069 standard management specifications, allowing remote management & 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

ADSL
- 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
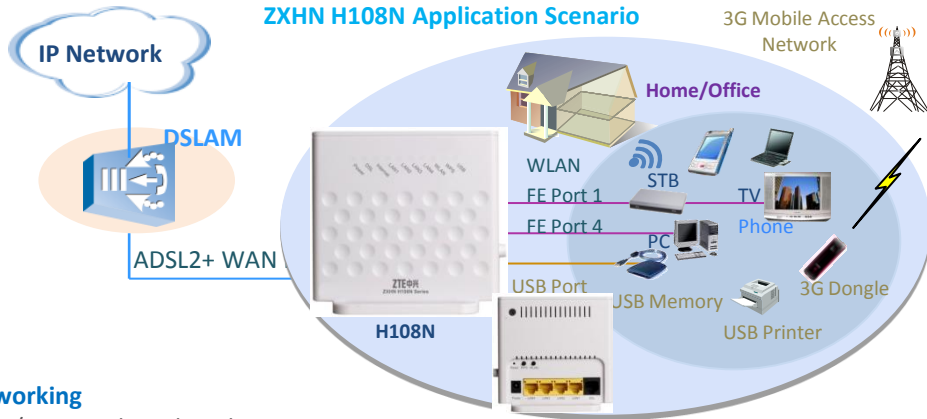- Supports multiple protocols over AAL5 (RFC2684/1483)

Wi-Fi
- Frequency: 2.4 GHz
- Max data rate: 300 Mbps
- IEEE 802.11b/g/n
- WEP/WPA/WPA2 Security
- Up to four broadcast/hidden SSIDs

USB
- File sharing
- Printing server
- USB backup/restore configuration
- DLNA DMS

IPv6
- ICMPv6
- PPPoEv6
- DNSv6
- Dual Stack
- DS-Lite
- DHCPv6

ZXHN H108N Application Scenario

IP Network

DSLAM

ADSL2+ WAN

H108N

3G Mobile Access Network

Home/Office

WLAN
FE Port 1
FE Port 4
STB
TV
Phone
PC
USB Port
USB Memory
3G Dongle
USB Printer

USB   Reset   WPS   WLAN Switch

Power switch
Power interface
Ethernet LAN1-4
DSL WAN

Networking
- IPv4/IPv6 Dual Stack and DS-Lite
- 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

Security
- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) protection
- Multiple VPN (IPSec, PPTP) passthrough
- Packet filtering
- MAC address filtering
- IP address filtering
- Port and protocol filtering

QoS
- Queue management
- Flexible packet classification
- Tag processing (802.1p bit and DSCP bits)
- Priority scheduling algorithm

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

Hardware Characteristics
- WAN: one RJ-11 port for ADSL
- LAN: four RJ-45 ports for FE
- USB: one USB 2.0 host interface
- Wi-Fi: 802.11b/g/n(2x2)
- Buttons: WLAN, WPS, Reset, ON-OFF
- LED status indicators: Power, DSL, Internet, LAN1-4, WLAN,WPS,USB

Electrical Characteristics
- AC adapter: 12V DC, 1A (with USB) or 0.5A (without USB)
- Power consumption: less than 2.9Watt (without USB), less than 8.4Watt(with USB).

Physical Characteristics
- Net weight: 160g with USB, 140g without USB
- Dimensions (DxWxH):52x108x105 mm

Environmental Characteristics
- 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.