

HG8200

Multi-service Home Gateway



Features

- Gigabit Ethernet WAN
- Compliant with IEEE 802.11n 2.4Ghz
- Support TR-069
- Support SIP based voice over IP service and USB 2.0 host interfaces
- Optional: Support 11ac/5Ghz WiFi for video delivery service
- Optional: Support Zigbee for home monitoring devices for added value services

HG8200 is an integrated home gateway which is suitable for multiple applications (Voice, Video, Data, and Mobile) and the device is also integrated with multiple optional functions such as 11ac/5Ghz Wifi for video service delivery, and Zigbee module for home monitoring and energy management services.. These options allow the operator to offer value added services to the end users.

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Specifications

Networking

- Static routing
- RIP v1 / v2 (RFC 1058, RFC 1389)
- NAT with ALGs
- DHCP Server / Relay / Client
- DNS Relay
- NAT / NAPT
- IGMP Proxy / Snooping

Security

- Password protected system management
- User authentication for PPP (PAP / CHAP / MS CHAP)
- Packet filtering (IP, Port number, Interface)
- Port Forwarding
- NAT, SPI firewall
- DMZ
- SSH
- Access Control List
- VPN Client/Server/Pass Through (PPTP, L2TP, IPsec)

QoS

- ATM: CBR, rt-VBR, nrt-VBR, UBR
- IP QoS (RFC 1349 and RFC 2474), supports priority queues for upstream traffic based on ToS / DSCP field or IEEE 802.1p value.
- Support WMM for wireless

Configuration Management

- LAN / WAN management via Telnet interface or Web-based browser interface
- SNMP MIB 2 management (RFC 1213)
- Firmware upgrade available by TFTP/FTP/HTTP
- Status display and event report from Web-based management
- Auto provisioning (including F/W and configuration upgrade)
- DSL Forum TR-069 CPE WAN Management Protocol

VoIP Functionalities

- SIP (RFC 3261 and compatible with RFC 2543)
- RTP / RTCP
- Adaptive Jitter buffer
- Call Hold and Consultation
- Caller ID
- Call Forward
- Call Waiting
- Out of Band DTMF RFC 2833

Voice CODEC of VoIP

- G.711 A-/u-Law
- G.729A/B (Optional)
- Echo Cancellation (G.168)
- VAD and CNG
- RFC 2833 (RTP Payload for DTMF and DTMF Emulation)
- FAX
 - FAX Tone Detection
 - FAX Auto Fallback to G.711 Support
- FSK Caller ID Detection
- FSK Caller ID Generator
- Call Progress Tone Detection

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Specifications

WLAN

- IEEE 802.11b/g/n, 2.4Ghz, 2T/2R MIMO
- 802.1x, WPA, WPA2 authentication
- 64/128 bit WEP encryption
- MAC-address-based access control
- WDS, WPS

Physical Interfaces

- 1 * RJ-45 Gigabit Ethernet WAN
- 2 * RJ-11 for FXS interface
- 4 * RJ-45 for 100/1000 Base-T Ethernet ports
- 2 * USB type A connector
- 1 * Reset button
- 1 * Power jack
- 1 * Power on/off switch
- 1 * WPS button
- 1 * Zigbee Pairing button (optional)

Operating Environment

- Operating temperature range: 0 °C to 40 °C
- Operating humidity range: 10% to 95% non-condensing

Optional for value-added services

- 11ac/5Ghz WiFi (EIRP = 20dBm)
- Zigbee, Support HA v1.2

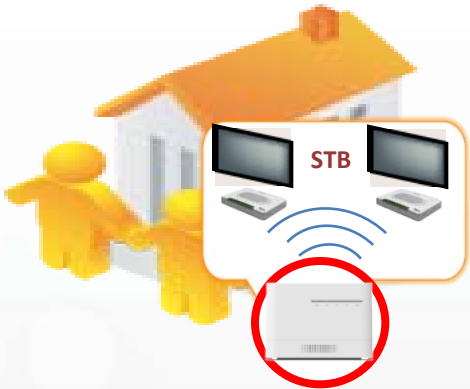
Optional Accessory for value-added services

- Power Supply with external battery backup
- Zigbee Devices: Siren, Door/Window Sensor, Power Socket, temperature, fire/smoke, PIR etc.
- WiFi IP Camera

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Value-added Services

Scenario: B
Wireless Video Service Delivery
(Option: IEEE802.11ac/5Ghz)



Scenario: C
Cloud Service For Home
(Option: Zigbee)
- Energy Management
- Home Security & Control



Scenario: A
HGW Applications
(Ethernet WAN Access)



VDSL or xPON (HGW Mode)

Broadband Access

