

FTTH

4 Ethernet Ports | Ethernet WAN | VoIP | 802.11n | 802.11ac

VG-8061u

Wireless FTTH Gateway



The VG-8061u is an advanced Gigabit Ethernet gateway with 1 Gigabit Ethernet WAN port, 4 Gigabit Ethernet LAN ports, 2 FXS ports, and Wi-Fi. The Wi-Fi not only provides an 802.11n 2T2R 2.4GHz Band which is backward compatible with 802.11b/g but also supports high performance 802.11ac with 3T3R design at 5GHz band.

VG-8061u provides powerful functions such as FTTH Voice Gateway device, and remote management utilities (such as TR-069) for network management and maintenance. The VG-8061u provides the best service for broadband subscriber to enjoy a high performance triple play service.

FEATURES

- . UPnP, IPv6 compliant
- . Supports TR-069/TR-181i2
- . Configuration backup and restoration
- . Web-based management (HTTPS/HTTP)
- . Supports remote administration, automatic firmware upgrade and configuration
- . Integrated 802.11n 2.4G AP (backward compatible with 802.11 b/g)
- . Integrated 802.11ac AP (backward compatible with 802.11a/n)
- . WPA and 802.1x/ WPS 2.0/ RADIUS client
- . NAT/PAT
- . IGMP Proxy/ fast leave/ Snooping/ Proxy
- . DHCP Server/Client
- . Embedded SNMP agent
- . IP/MAC address filtering
- . Static route/ RIP/ RIP v2 routing functions
- . DNS Proxy/Relay

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SPECIFICATIONS

Hardware

- RJ-45 X 1 for WAN (10/100/1000 BaseT)
- RJ-45 X 4 for LAN, (10/100/1000 BaseT)
- RJ-11 X 2 for FXS
- USB 2.0 host x 2
- Reset button X 1
- WPS /Wi-Fi On/Off button X 1
- Power switch X 1

WAN

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab Gigabit Ethernet

LAN

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Support MDI/MDI-X
- 10/100 /1000 BaseT Auto-sense

Wireless 802.11n

- IEEE802.11b/g/n
- 64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
- 11 Channels (US, Canada)/ 13 Channels (Europe)/ 14 Channels (Japan)
- Up to 300Mbps data rate
- MAC address filtering, WEP, WPA, IEEE 802.1x
- 10,25,50,100mW@22MHz channel bandwidth output power level can be selected according to the environment

Wireless 802.11ac

- IEEE802.11ac 3T3R (Broadcom BCM43602)

Application Layer Gateway (ALG)

- SIP, IPSec, H.323, Yahoo messenger, ICQ, RealPlayer, Net2Phone, NetMeeting, MSN, X-box, Microsoft DirectX games etc.

Voice Functions

- SIP: RFC 3261
- MGCP: RFC 3435
- Codec: G.711, G.723.1, G.726, G.729ab
- RTP: RFC 1889
- SDP: RFC 2327
- Caller ID: ETSI based
- Life line/ Emergency call
- Echo cancellation: G.168
- Silence suppression

Networking Protocols

- PPPoE pass-through, Multiple PPPoE sessions on single WAN interface
- PPPoE filtering of non-PPPoE packets between WAN and LAN
- Transparent bridging between all LAN and WAN interfaces
- 802.1p/802.1q VLAN support
- Spanning Tree Algorithm
- IGMP Proxy V1/V2/V3, IGMP Snooping V1/V2/V3, Fast leave
- Static route, RIP v1/v2, ARP, RARP, SNTP
- DHCP Server/Client/Relay
- DNS Proxy/Relay, Dynamic DNS
- Internet Printing Protocol
- UPnP
- IPv6 subset

Firewall/Filtering

- Stateful Packet Inspection Firewall
- Stateless Packet Filter
- Day-time Parental Control
- URI/URL filtering
- Denial of Service (DOS): ARP attacks, Ping attacks, Ping of Death, LAND,SYN, Smurf, Unreachable, Teardrop
- Port Scan Detection and Protection
- TCP/IP/Port/interface filtering rules Support both incoming and outgoing filtering

NAT/NAPT

- Support One to One, Many to One, Many to Many (Overload), Many to Many (No Overload) NAT
- NAT Loopback
- Port Triggering
- Port Forwarding (Virtual Server)
- Symmetric port-overloading NAT, Full-Cone NAT
- DMZ host
- VPN Pass Through (PPTP, L2TP, IPSec)

Management

- TR-069/TR-181/TR-104/TR-064, SNMP, Telnet, Web-based management, Configuration backup and restoration
- Software upgrade via HTTP, TFTP server, or FTP server

Routing Functions

- Static route, RIP, and RIPv2, NAT/PAT, DHCP Server/ DHCP Relay, DNS Proxy, ARP

Application Pass Through

- PPTP, L2TP, IPSec, SIP, Yahoo messenger, ICQ, RealPlayer, NetMeeting, MSN, X-box, etc.

Environment Condition

- Operating temperature: 0 ~ 40 degrees Celsius
- Relative humidity: 5 ~ 95% (non-condensing)



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