



ASKEY – RTF8105VW(RoHs)

GPON Home Gateway

This new Askey GPON (Gigabit-capable Passive Optical Network) Home Gateway enables households and small offices to benefit from Fiber technology to its fullest extent.

Dual-Band, it supports 2x2 for 2.4 GHz and 3x3 for 5 GHz and is fully compatible with the next generation features required for video and multimedia streaming over WiFi. It also offers high-quality Voice over IP functionalities. This device can offer up to 4Gbps Ethernet transmission over an Optical Distribution Network (ODN). Future-proof, this Fiber to the Home (FTTH) solution can be seamlessly integrated into broadband services and can be an essential element in the successful delivery of multimedia (video/audio) content over a single optical fiber.

With Askey's expertise in WiFi technologies and DSL gateway development, this gateway is compatible with the fiber's central equipment through the mastering of OMCI protocol and is OLT agnostic.

Thanks to the GPON technology, users can now enjoy a seamless experience of IP-based television and entertainment services as well as ultra speed data services.

4-GE ports | 802.11b/g/n/ac | USB Host | VoIP

Hardware

- 1x reset button
- 1x WPS button
- Power ON/OFF switch
- 1x GPON SC Connector
- 4x RJ-45 1000 Base-T Gigabit Ethernet ports
- 2x RJ-11 ports (FXS ports) for VOIP phone calls
- 1x USB host port compliant to USB 2.0
- WiFi 2.4G (802.11b/g/n 2T2R)
- WiFi 5G (802.11ac 3T3R)

Virtual LAN

- IEEE 802.1Q VLAN
- Support up to 8 VLANs

Bridge

- Transparent bridging
- MAC learning (SVL)/aging
- Support max frame length to 1522 bytes
- VLAN tagging for untagged packets
- Support VLAN 0-4094
- VLAN transparent/translation

Multicast

- Support IGMP v1/v2/v3 Snooping
- Support immediate leaving
- Support up to 50 multicast groups
- Only the channels subscribed and requested by a customer are sent in downstream

GPON

- Dying gasp
- 8 TCONTs / 32 GEM ports
- 8 Egress queues per TCONT at least
- VLAN or VLAN plus priority gem mapping mode
- Serial Number/Password/Serial Number + Password authentication
- Support optical transceiver monitor per G.984.2 Amendment 2.
- Per-flow(VLAN plus 802.1p) QoS policy dropping un-allowed p-bits
- Performance monitoring: Ethernet/GEM port

Ethernet LAN

- Manual speed setting for 10M,100M,1000M
- Support 1522 Bytes Ethernet packet size

Routing

- Routing between LAN and WAN routed interfaces.
- IPoE WAN with static IP addressing/DHCP mode
- Support VLAN tagging for each IPoE WAN
- Support VLAN tagging for each PPPoE WAN
- Static IP route
- RIPv2 with passive mode
- Symmetric/Full cone NAT with ALG support
- Stateful firewall
- Port mapping (Virtual server)/DMZ support
- Dynamic DNS
- LAN DHCP server with static DNS servers
- Conditional DHCP serving pool
- CPU control packet (LCP/DHCP) with highest priority
- DNS proxy
- IP multicast

IPv6 Routing

- Dual Stack
- Routing between LAN and WAN interfaces.
- Stateless IP addressing
- DHCP prefix delegation
- Stateful firewall
- Stateless/Stateful DHCP Server
- RADVD

Bridging

- Transparent bridging between LAN and WAN bridged interfaces
- Support VLAN tagging for each IPoE WAN
- IGMP snooping

TR-069

- DBaseLine profile with L2Bridge/Filter/Mark for WAN VLAN configuration
- DOWNLOAD/UPLOAD with HTTP/FTP/SFTP
- TR-111
- TR-143
- Device Summary
- Port Mapping
- LAN Security
- MAC Control
- TR-104(Partial)
- Proprietary objects for WAN/IPv6
- Proprietary objects for firewall

QoS

- Support 8 Queues with Strict Priority
- L2/L3 classification
- P-bit marking
- DSCP marking

Configuration and Management

- SSH management with CLI commands
- HTTP/HTTPS WEB management
- Firmware upgrades through TR69
- Firmware upgrades through CLI
- Firmware upgrades through OMCI
- Dual images (Active and Passive)
- Reset to factory default
- System reboot

Power & Operational Environment

- 100-240V AC Input
- 12VDC 12.0A Output
- Temperature: -50°C to 40°C (-58 to 96°F) Operating
- Humidity: 5% to 95% (non-condensing)

Dimensions

- 215mm x 157mm x 45mm



ASKEY Computer Corporation

10F, NO.119, Jiankang Road
Zhonghe District
New Taipei City 23585
TAIWAN, R.O.C.

TEL. +886-2-2228-7588
FAX. +886-2-3234-9211
www.askey.com.tw
sales@askey.com.tw

Askey is a registered trademark of Askey Computer Corporation
All mentioned brands are trademarks of their respective owners
All specification, features and pictures are subject to change
without notice