



ASKEY-RTF3525V(RoHs)

10GE PON Home Gateway

RTF3525V 10G EPON HGU is IEEE802.3av standards compliant. It can offer up to 10Gbps Ethernet transmission (10G symmetrical) over an ODN (Optical Distribution Network). To benefit users' access to the Internet, 4-port 10/100/1000 Mbps and 1-port 10G Ethernet are equipped with this 10G EPON residential gateway. Besides, two Foreign eXchange Station (FXS) port is supported for VoIP application.

1 10GE LAN port | 4GE LAN ports | VOIP

Interfaces

- 10G EPON Fiber port x 1
- 10GE LAN port x 1
- GE LAN port x 4
- VoIP port x 2
- One Power Connector
- One Power PUSH Switch
- One Reset button

Virtual LAN

- IEEE 802.1 QVLAN
- Support up to 8 VLANs

Ethernet LAN

- Manual speed setting for 10M,100M, 1000M
- Support 1522 Bytes Ethernet packet size.
- 4 Egress Que use per port Support SP scheduling

Bridge Transparent bridging

- MAC learning (SVL)/aging
- Support max frame length to1522 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

IPv6 Routing Dual Stack

- Routing between LAN and WAN PPPoE routed 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

GPON

- Dying gasp
- 8 TCONTs /32GEM 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: eth/Gem port

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 core NAT with ALG support
- Stateful firewall
- Port mapping(Virtual server)/DMZ support
- Dynamic DNS
- DHCP client support Option120, Option 100/NTP LAN DHCP server with static
- DNS servers Secondary IP address
- One conditional DHCP serving pool for specific Vendor Class Id
- Min Address/max Address/Router/DNS servers/Option 240
- Pass Option 120/100/NTP to LAN clients
- CPU control packet (LCP/DHCP)with highest priority
- DNS proxy disabled
- IGMP proxy

TR-069

- Base Line profile with L2 Bridge/Filter/ Mark for WAN VLAN configuration
- DOWNLOAD/UPLOAD with HTTP/FTP/ SFTP

TR-111

TR-143

INFORM with LAN Ethernet Interface.MAC Address

Device Summary for TEF

Port Mapping

LAN Security

Mac Control

PTR-104(Partial)

TEF proprietary objects for WAN/IPv6

Power

- 100~240 AC input
- 12VDC 2.0A output

Temperature

- 0°C to 55°C - Operating

Humidity

- 5 to 95% (non condensing)

Dimension

- 210*140*30 mm

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
- Remote management with advanced PLOAM functions
- SSH session for local GPON password provision with 16Hex String format
- Firmware upgrades through TR69
- Firmware upgrades through CLI
- Firmware upgrades through OMCI Dual images (Active and Passive)
- Reset to factory default
- System reboot



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