

TR-GP1704-4GV



Techroutes GPON ONT

Product Overview

The ONT is one of the ideal solutions for FTTH home gateway application. It can provide users with broad band Internet access capability, high quality voice & video services.

Main Characteristics

- ITU G.984.x GPON port with 1.244Gbps/2.488Gbps link speed
- 4x 10/100/1000BASE-T Ethernet RJ45 Ports
- 2x2 11n Wi-Fi AP, up to 300Mbps wireless connectivity
- 2x FXS RJ11 ports for VoIP service
- 1x USB ports in Host mode
- Wall adaptor with 90~264VAC input, 12VDC output
- 0 to 45°C operating ambient temperature

Application

- FTTH Home Gateway

Standards

- Compliant with ITU-T G.984.x (G.984.5 support)
- Compliant with 802.1 q/p VLANs
- Compliant with CE regulatory

Technical Specifications

Overview	
Type	Home Gateway Unit
Model	TR-GP1704-4GV
Uplink	GPON
Downlink	4xGE + 2xFXS + Wi-Fi + 1xUSB
Operating Temperature	0~45°C
Operating Humidity	10%~90%, non condensing
Dimensions (W×D×H) (mm)	205×140×36(without antenna)
Installation	Wall mounted or desktop
Weight	<500g
Regulatory	CE, FCC, RoHS
VLAN	Support SSID to VLAN mapping Support 802.1p, 802.1d, 802.1q based QoS Support forwarding traffic class into GEMPORT & TCONT Support ingress/egress 802.1p tag based QoS on each port Support double tagging, compliant with IEEE 802.1ad
IP	Support IPv4,IPv6 and IPv4/IPv6 dual stack
	Support DHCP/PPPOE/Statics
	Support Static route
	Support NAT
	Support Bridge, Route ,Route and Bridge mixed mode
	Support DMZ
	Support DNS
	Support UPnP
Multicast	Support IGMP v2, v3, IGMP snooping
Broadcast	Support broadcast storm suppression
Management	Support OMCI, SNMP, TR-069, Web GUI, CLI
QoS	Support 4 queues
	Support SP and WRR
	Support 802.1P
	Support DSCP
Security	Support Firewall

	Support Mac filter
	Support ACL
	Support URL filter
GPON	
Interface	1xSC/APC connector, single mode fiber Activation with automatically discovered SN and password
Standard	Compliant with ITU G.984.2 Class B+ Compliant with ITU G.984.5 Compliant with FDA 21 CFR 1040.10 and 1040.11 Compliant with laser safety standard IEC-60825 Class I Compliant with SFF-8472
Transmitter	Support 1244.16Mbps upstream bandwidth DFB transmitter working in 1310nm, with >10dB Extinction Ratio Mean launch power in 0.5~5dBm range Turn on/off time at burst mode < 12.8ns
Receiver	Support 2488.32Mbps downstream bandwidth APD receiver working in 1490nm, with -8 ~ -28dBm working range Isolation to 1310nm > 47dB Isolation to (1440~1450nm), (1530~1540nm) > 25dB Isolation to (1400~1440nm), (1540~1625nm) > 40dB 3
Ethernet LAN	
Interface	4x RJ45 connector
Standard	Compliant with IEEE 802.3, 802.3u, 802.3ab Compliant with IEEE 802.3az, Green Ethernet
Link	Support Half-duplex & full-duplex operation Support 10/100/1000Mbps auto-negotiation Support MDI/MDIX auto detection
Wi-Fi	
Antenna	Support internal or external antennas 2x2 MIMO 2dBi antenna, 5dBi antenna is optional ,
Standard	Compliant with IEEE 802.11n, 2.4GHz, 20/40MHz bandwidth Back compliant to 802.11b/g
Wi-Fi Security	Support WPA, WPA2 authentication hardware accelerated AES-128 encryption/decryption, coupled with TKIP & IEEE 802.1x Support PBC or PIN WPS method
SSID	Max 4 SSID
FXS	
Interface	2x RJ11 FXS port
Standard	Support SIP protocol
	Support Voice coding: ITU-T G.711/G.723/G.726/G.729, auto-negotiate with call agent
	Support Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length

For More details:

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