



1GE GPON ONU

TG-201G (v1.0R)

- 1 x GPON port (SC / APC connector)
- 1 x RJ-45 10/100/1000 Mbps Auto MDI-X Ethernet Port
- On / Off Power Button
- VLAN & Triple Play QoS
- LED Indicators

TRENDnet's 1GE GPON ONU, model TG-201G, is designed for use with FTTH (fiber to the home) applications and is used as customer premises equipment (CPE).



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Designed for use with FTTH (fiber to the home) applications and is used as customer premises equipment (CPE).



Ports

1 x GPON port (SC / APC connector) and 1 x RJ-45 10/100/1000 Mbps Auto MDI-X Ethernet Port



VLAN

Supports 802.1Q Tagged VLAN and 802.1ad Q-in-Q VLAN stacking / double VLAN



QoS

Supports 802.1p Class of Service (CoS) with Queue Scheduling: Strict Priority (SP), Weighted Round Robin (WRR), SP+WRR



Multicast

IPTV Multicast support with IGMP snooping v1 / v2 / v3



Management

Supports CLI, HTTP and OMCI Management

Networking Solution



- 1 LED Indicators
- 2 GPON port (SC / APC connector)
- 3 RJ-45 10/100/1000 Mbps Auto MDI-X Ethernet Port
- 4 Reset Button
- 5 Power Port
- 6 On / Off Power Button

Specifications

Standards

- ITU-T G.984.x (G.984.5 support)
- ITU-T G.984.2 amendment 1, Class B+
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3as
- IEEE 802.1ad
- IEEE 802.1Q
- IEEE 802.1p

Device Interface

- 1 x GPON port (SC / APC connector)
- 1 x RJ-45 10/100/1000 Mbps Auto MDI-X Ethernet Port
- On / Off Power Button
- Reset Button
- LED Indicators

GPON Transmission Characteristics (Uplink)

- Supports up to 1244.16 Mbps upstream bandwidth
- 1310 nm wavelength (> 10 dB extinction ratio) DFB transmitter
- Signal Strength: 0.5 to 5 dBm
- On / Off Burst Mode Interval: < 12.8 ns

GPON Receiver Characteristics (Downlink)

- Supports up to 2488.32 Mbps downstream bandwidth

- 1490 nm wavelength (Receive Sensitivity: -8 dBm max. / -28 dBm min.)
- Isolation at 1310 nm > 47 dB
- Isolation at (1440 to 1450 nm), (1530 to 1540 nm) > 25 dB
- Isolation at (1400 to 1440 nm), (1540 to 1625 nm) > 40 dB

GTC Layer

- Support T-CONTs 1-5 defined in G.984.3
- Supports T-CONT 8
- Supports GEM Port 32
- Supports flexible mapping between T-CONT & GEM port

VLAN

- 802.1Q Tagged VLAN
- 802.1ad Q-in-Q VLAN stacking / double VLAN

QoS

- 802.1p Class of Service (CoS)
- Queue Scheduling: Strict Priority (SP), Weighted Round Robin (WRR), SP+WRR

IPTV Multicast

- IGMP snooping v1 / 2 / 3

Management

- CLI (Telnet)
- HTTP web based GUI
- OMCI (in accordance with G.984.4 standard)
- Dual Image

- Firmware upgrade through remote server
- Reset to factory default through GUI, CLI, reset button

Power

- Input: 100 – 240 V AC, 50 - 60 Hz
- Output: 12 V DC, 0.5 A external power adapter
- Consumption: 6 W max.

Operating Temperature

- -5 to 45 °C (23 to 113 °F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- CE
- FCC

Dimensions

- 108 x 87 x 38 mm (4.25 x 3.43 x 1.5 in.)

Weight

- 260 g (9.17 oz.)

Warranty

- 3 year limited

Package Contents

- TG-201G
- Quick Installation Guide
- Network cable (1 m / 3.28 ft.)
- Power adapter (12V DC, 0.5A)

