

# GPON ONT

GPON | 2.5 Gigabit Ethernet | TR-069

## GRG-4293



**GRG-4293** is a next-generation Gigabit Passive Optical Network (GPON) ONT, ideal for Fiber to The Home solution designed for advanced triple-play deployments. It's an incredibly robust device allowing users to access a high-speed internet connection via its GPON port and share it with a 2.5 Gigabit Ethernet port.

The indoor models of Comtrend's GPON product line provide a lower cost and small package which contains many features including QoS, Data Bridge and multicast video support.

Compliant with standard OMCI definition, GRG-4293 is manageable from the remote side and supports the full range of FCAPS functions including supervision, monitoring and maintenance.

### KEY FEATURES

- **Access to Fiber Optical Network:** Supports downstream 2.5Gbps and upstream to 1.25Gbps with a transmission distance of up to 20km.
- **Easy Remote Management:**
  - GRG-4284 supports the ONT Management and Control Interface (OMCI), making it easy to configure, activate and manage remotely from an Optical Line Terminal (OLT).
  - TR-069 standard data model for ISP remote control.

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## SPECIFICATIONS

| HARDWARE  |   |
|---|---|
| GPON Standards                                      | ITU-T G.984   |
| Distance  | 20Km Max  |
| Data Rates  | Upstream: 1.25Gbps, Downstream: 2.5Gbps   |
| Interfaces  | 1 x SC/APC GPON Port, 1 x 10/100/1000/2500Mbps LAN Port,  |
| Buttons   | Power ON/OFF Button, Reset Button   |
| Power Supply  | DC 12V 0.5A   |
| Dimensions (W X D X H)                              | 137 x 83.5x 26.5mm  |
| SOFTWARE FEATURES                                   |   |
| Quality of Service                                  | WMM, Bandwidth Control  |
| Port Forwarding                                     | L2/L3 forwarding, L3 NATP   |
| VPN   | 802.1Q tag VLAN, VLAN transparent mode/VLAN translation mode/VLAN trunk mode                          |
| Access Control                                      | Local Management Control, Host List, Access Schedule, Rule Management                                 |
| Firewall Security                                   | DoS, SPI Firewall<br>IP Address Filter/MAC Address Filter/Domain Filter<br>IP and MAC Address Binding |
| Management  | Access Control, Local Management, Remote Management   |
| CERTIFICATIONS                                      |   |
| CE, RoHS  |   |
| PACKAGE CONTENTS                                    |   |
| GPON ONT (GRG-4293)                                 |   |
| Power adapter 12VDC/0.5A, 100-240VAC, 50/60Hz, 1.5m |   |
| ENVIRONMENT   |   |
| Temperature   | Operating: 0°C ~ 40°C (32°F ~104°F)<br>Storage: -40°C ~ 70°C (-40°F ~158°F)                           |
| Humidity (Non-condensing)                           | Operating: 10%~90%, non-condensing<br>Storage: 5%~95%, non-condensing                                 |



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Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.