

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-4293 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 NAT
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 IP Address Filter/MAC Address Filter/Domain Filter 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) Storage: -40°C ~ 70°C (-40°F ~158°F)
Humidity (Non-condensing)	Operating: 10%~90%, non-condensing Storage: 5%~95%, non-condensing

COMTREND

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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.