

# GPON VoIP Gateway AC1200

4 Giga Ethernet | 1 PON | 2.4GHz 2T2R & 5GHz 2T2R | FXS

## GRG-4276u



**GRG-4276u** is a highly integrated GPON integrated access device. It offers high-performance Data, Voice and Video services for individual users, SOHO (small office or home office), small businesses, etc.

GRG-4276u complies with the ITU-T G.984 standard, provides 2.488Gbps downlink and 1.244Gbps uplink on the network side and provides four high-speed GE ports, one FXS port for internet calling, and dual-band Wi-Fi 5 (2T2R 802.11n@2.4G Hz and 2T2R 802.11ac@5GHz). The two wireless bands are separated into two dedicated Wi-Fi networks, supporting more end-user devices while reducing signal interference. Furthermore, there are two USB 2.0 interfaces on the user side.

Support of the Wi-Fi Alliance EasyMesh standard secures seamless integration for future Mesh applications.

### KEY FEATURES

- **MU-MIMO:** Supports both up-link and down-link, allowing efficient data transmission for more devices at the same time.
- **Wi-Fi 5:** 2.4GHz wireless 802.11n compatible 11b/g up to 300Mbps PHY rate, 5GHz wireless 802.11ac (wave 2) compatible 11a/n, up to 866Mbps PHY rate.  
**160MHz:** Wider band and high definition offer high throughput capability.
- **EasyMesh:** Multi-Access Point specification for creating Wi-Fi meshes from products by different vendors.

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## SPECIFICATIONS

HARDWARE	
Flash	256MB Nand Flash
SDRAM	256MB DDR3
Interfaces	<ul style="list-style-type: none"><li>▪ WAN: 1x GPON port (SC/APC); Data Rate: Downstream: up to 2.488Gbps; Upstream: up to 1.244Gbps; Receiving wavelength: 1,490 nm; Transmitting wavelength: 1,310 nm; Optical Range: Class B+</li><li>▪ LAN: 4x 10/100/1000 Base-T MDI/MDIX RJ-45 ports Compliant with the following standards: 1. IEEE 802.3/802.3u 2. Hardware-based 10/100/1000, full/half, flow control auto-negotiation 3. Non-blocking wire speed reception and transmission 4. Full duplex IEEE 802.3x flow control and half duplex back-pressure flow control</li><li>▪ 2.4G Wi-Fi: External 2 antennas; IEEE 802.11n, backward compatible with 802.11b/g; Up to 300Mbps PHY rate;</li><li>▪ 5G Wi-Fi: External 2 antennas; IEEE 802.11ac, backward compatible with 802.11a/n; Up to 866Mbps PHY rate;</li><li>▪ FXS: 1x FXS</li><li>▪ USB: 2x USB 2.0</li></ul>
PACKAGE CONTENTS	
GPON ONT (GRG-4276u)	
Power adapter 12VDC/1.5A, 110-220VAC, 50/60Hz	
RJ-45 Giga Ethernet cable (8P8C, 1.5m)	
ENVIRONMENT	
Operating Temperature	32 °F to 113 °F (0 °C to 45 °C)
Storage Temperature	-40 °F to 158 °F (-40 °C to 70 °C)
Operation Humidity	10% ~ 90% (non-condensing)
Storage Humidity	Max. 5% ~ 95% (non-condensing)



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