

### RIKOM GT603G-WX2

The RIKOM GT603G-WX2, developed by RIKOM, is a gateway converged with data, voice, and Wi-Fi services for the International markets. It provides one GPON interface in the uplink and four GE interfaces and 2 voice interfaces in the downlink. It supports dual-band Wi-Fi6. With mainstream schemes in the industry, it features strong capabilities of CPU processing and data forwarding, thus providing good experience for voice access and Wi-Fi access.



RIKOM GT603G-WX2

#### Highlights >>

##### Appearance and design

- Good heat dissipation, good performance, and elegant appearance
- Fiber management at the bottom, supporting desktop-mount and wall-mount installation modes

##### Rich management

- OMCI, TR069, web, and other management modes
- Turning on or off the power of the optical module in the ONU PON interface
- Optical module management, diagnosis, and its power supply control

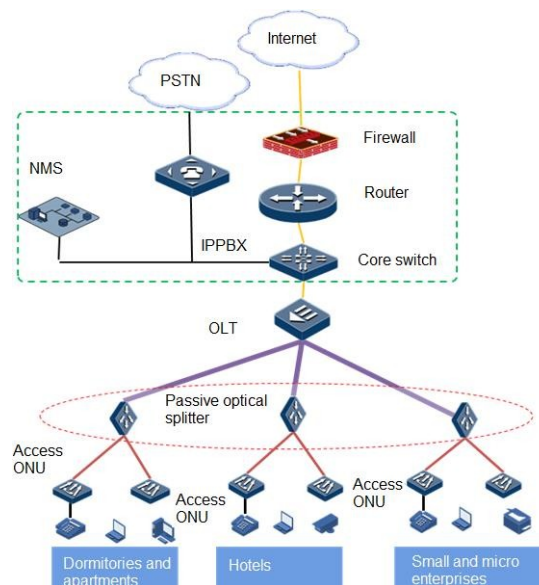
##### Wi-Fi6

- 2.4G & 5G dual-band Wi-Fi
- 6 external antenna for providing wide coverage of Wi-Fi signals

##### Security

- Filtering packets by IP source port, IP source port range, IP destination port, or IP destination port range
- Access control by MAC address
- Configuring the filter, firewall, and attack protection

#### Application >>





<b>Key features &gt;&gt;</b>	
<b>GPON interface</b>	<ul style="list-style-type: none"> <li>● Interface type (single-mode fiber): PON optical interface, SC/APC</li> <li>● Transmission rate: uplink 1.244 Gbit/s and downlink 2.488 Gbit/s</li> <li>● Central wavelength: Tx 1310 nm and Rx 1490 nm</li> <li>● Tx optical power: 0.5–5 dBm</li> <li>● Maximum Rx sensitivity: -28 dBm</li> <li>● Overload optical power: -8 dBm</li> </ul>
<b>GE interface</b>	<ul style="list-style-type: none"> <li>● 10/100/1000Base-T RJ-45 Ethernet interface</li> <li>● Ethernet interface auto-negotiation or manual configuration</li> <li>● Auto-MDI/MDIX</li> <li>● AES-128 encryption</li> <li>● FEC</li> </ul>
<b>Voice interface</b>	<ul style="list-style-type: none"> <li>● DTMF dialup</li> <li>● Multiple coding schemes: G.711 (<math>\mu</math>-law and A-law), G.729 (A and B), G.723.1</li> <li>● VAD and CNG</li> <li>● SIP (RFC3261), SDP (RFC2327), RTP (RFC3550/3551)</li> <li>● RFC2833 DTMP coding or SIP INFO method</li> <li>● Multiple classified services, such as CID, call waiting, call forwarding, three-way calling, and classified ringing</li> <li>● T.38 fax</li> <li>● Configurable dial-up plan</li> <li>● Configurable rings for different countries</li> <li>● Configurations of DHCP clients and static IP addresses</li> </ul>
<b>WLAN interface</b>	<ul style="list-style-type: none"> <li>● IEEE802.11 b/g/n and IEEE802.11ax</li> <li>● 2.4G &amp; 5G dual-band Wi-Fi</li> <li>● 160 MHz spectral width</li> <li>● WLAN protection access, such as WPA-PSK</li> <li>● Turning WLAN on/off</li> <li>● Mesh</li> <li>● WPS</li> </ul>
<b>Multicast</b>	<ul style="list-style-type: none"> <li>● IGMP v1/v2</li> <li>● IGMP Snooping v1/v2</li> </ul>
<b>DHCP</b>	DHCP server and DHCP client
<b>PPPoE</b>	PPPoE client
<b>IPv6 address management</b>	<ul style="list-style-type: none"> <li>● Static configuration of IPv6 addresses</li> <li>● Data forwarding based on interface binding and VLAN binding</li> </ul>
<b>Maintenance and</b>	<ul style="list-style-type: none"> <li>● Managed via OMCI, web, CLI, and TR069</li> </ul>



<b>Management</b>	<ul style="list-style-type: none"> <li>● Dying Gasp alarms</li> <li>● Information query of optical modules</li> <li>● Query of memory and CPU utilization rate</li> <li>● Turning on or off the power of the optical module in the ONU PON interface</li> <li>● Optical module management, diagnosis, and its power supply control</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>● Filtering packets by IP source port, IP source port range, IP destination port, or IP destination port range</li> <li>● Configuring the filter, firewall, and attack protection</li> </ul>

**Specifications >>**

Physical interface	Uplink: 1 GPON CLASS B+ SC/APC Downlink: 4 GE (RJ45)+2 FXS(RJ11)+1 USB 3.0 + 2.4G&5G dual-band WLAN
Power adapter	External power adapter: 12 VDC, 2 A, < 24 W
Power consumption	
User conditions	Operating temperature: -5 to 45°C Humidity: 10%–90% (non-condensing)
Dimensions	199 (Width) × 133 (Depth) × 43 (Height) mm3
Weight	≤ 0.5 kg

**Compliances >>**

Standards & protocols	ITU-T G.984/G.988  G.711, G.729, G.723.1  T.38  RFC3550/3551  RFC3261/RFC2543  IEEE802.11 b/g/n/ax  IGMP v1/v2  CE compliance, EMC Class B
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**Ordering Information >>**

<b>RIKOM GT603G-WX2-07</b>	GPON uplink, four 10/100/1000 Mbit/s Ethernet interfaces, 2 POTS interfaces, 1 USB 3.0 interface, dual-band Wi-Fi6 (160 MHz spectral width), external European power adapter (12 VDC, 2 A)
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