

## HL-4GX3VR

**GPON Wireless Router with VoIP**  
**4-ports GbE LAN**  
**WiFi6 AX3000**  
**VoIP**  
**CATV overlay**



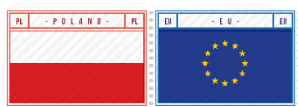
### Product description

HALNy GPON Gateways are innovative ONTs with **AdaptiveOMCI** technology that simplify Interoperability in FTTH PON to plug&play. Single software with support for multiple OLT vendors unleash potential of operator and remove vendor-locking.

The solution is designed to optimize the deployment and roll-out of the service provider. This include interoperability GPON ONT with advanced support for L2 VLAN's and Multicast IGMP, L3 Routing with NAT, PPPoE and easy to use Provisioning.

HALNy specializes in cost-effective designs, and works closely with service providers to improve their business case through a comprehensive range of standard products, supporting the industry's common demands. HALNy also provides custom designs and services to meet unique customer needs.

### DEVELOPED IN



All specifications are subject to change without notice. The above product picture is a sample for reference and may vary. Please check with your supplier for exact offers.

Actual data throughput and WiFi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput and wireless coverage.

Quoted network speeds and bandwidth based on current IEEE specifications. Actual performance may be affected by network and service provider factors, interface type, and other conditions.

## Hardware Specification

<b>CPU</b>	Dual Core	<b>Storage Temp.</b>	-15~65°C
<b>WAN Port</b>	GPON B+ 2.488Gbps Downstream 1.244Gbps Upstream RX 1490nm Input -10 ~ -27dBm RX 1550nm Input -2 ~ 18dBm	<b>Operating Temp.</b>	0 ~ 45°C
<b>LAN Port</b>	4 x port 10/100/1000BASE-T (RJ-45) Auto-sensing, auto-detection MDI/ MDI-X	<b>Operating Humidity</b>	10~90 % (non-condensing)
<b>WiFi</b>	2x2 (5dBi) external antennas AX3000 802.11ax 160MHz	<b>Power Voltage</b>	DC power jack, 12V/ 1.5A
<b>VoIP</b>	1xFXS	<b>Miscellaneous Interfaces</b>	ON/OFF Power Button WPS Wireless Reset Button
<b>RF</b>	Bandwidth 45 ~ 863Mhz Output Level=> 78dBuV	<b>LED</b>	POWER, PON, LOS, CATV, WLAN 2.4, WLAN 5G, WPS, LAN1-4, Phone1
		<b>SIZE</b>	210*150*36mm

## Software Specification

<b>Routing/Bridging</b>	<ul style="list-style-type: none"> <li>• IPv6 and IPv4</li> <li>• PPPoE Client</li> <li>• 802.1q and QinQ</li> <li>• DHCP Server/Client/Relay</li> <li>• NAT and PAT</li> <li>• DNS Relay</li> <li>• IGMP Proxy and Snooping</li> <li>• Multiple WLAN SSID</li> <li>• VPN Pass-through</li> <li>• Port Forwarding</li> <li>• UPnP</li> <li>• Firewall</li> </ul>	<b>Telephony</b>	<ul style="list-style-type: none"> <li>• SIP</li> <li>• DTMF support</li> <li>• Dial Plan</li> </ul>
		<b>GPON</b>	<ul style="list-style-type: none"> <li>• G.984.4</li> <li>• G.988</li> <li>• AES and FEC</li> </ul>
		<b>Provisioning</b>	<ul style="list-style-type: none"> <li>• OMCI and OpenOMCI</li> <li>• DHCP XML</li> <li>• TR-069 / CWMP</li> </ul>
		<b>EasyMesh</b>	<ul style="list-style-type: none"> <li>• EasyMesh Controller R2</li> <li>• EasyMesh Agent R2</li> </ul>

## Interoperability Test Result with OLTs (AdaptiveOMCI)

Nokia (Alcatel-Lucent)  
DASAN and DZS  
ZTE  
Huawei  
Calix  
Adtran

Cisco/Altice  
Fiberhome  
Ubiquoss  
Zyxel  
Zhone  
HFR

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