

## HL-4GMVR

**GPON Wireless Router with VoIP**  
**WiFi 802.11ac and 802.11n**  
**5Ghz and 2.4Ghz**  
**CATV overlay**



### Product description

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HALNy GPON Gateways are innovative and powerful products for business and residential subscribers.

The solution is designed to optimize the deployment and roll-out of the service provider. This includes interoperability with 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>Memory</b>	128MB Flash 128MB RAM	<b>Storage Temp.</b>	-20~70°C
<b>WAN Port</b>	GPON B+ 2.488Gbps Downstream 1.244Gbps Upstream RX 1490nm Input -10 ~ -27dBm RX 1550nm Input -2 ~ 15dBm CATV RX range: 1540nm ~ 1563nm	<b>Operating Temp.</b>	0 ~ 40°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 802.11ac and 2x2 802.11n Antenna Gain 4*5dBi, External	<b>Power Voltage</b>	DC power jack, 12V/ 1.5A
<b>VoIP</b>	2xFXS	<b>Miscellaneous Interfaces</b>	ON/OFF Power Button WPS Wireless Reset Button
<b>RF</b>	Bandwidth 40 ~ 1000Mhz Output LevelL=< 82 dBuV	<b>LED</b>	POWER, PON, LOS, CATV, WLAN 2.4, WLAN 5G, WPS, LAN1-4, Phone1-2

## Software Specification

<b>Routing/Bridging</b>	<ul style="list-style-type: none"> <li>• PPPoE Client</li> <li>• 802.1q</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>• SNMP</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>• AES and FEC</li> </ul>
		<b>Provisioning</b>	<ul style="list-style-type: none"> <li>• OMCI</li> <li>• DHCP XML</li> <li>• TR-069 / CWMP</li> </ul>

## Interoperability Test Result

Nokia (Alcatel-Lucent) ISAM FX-4  
 DASAN V8240/V810x/V58xx  
 ZTE C320/C220  
 Huawei OLT series MA56x3T and MA58xx

Cisco/Altice ME4601  
 FIBERHOME AN5116-06B  
 Ubiquoss  
 Zyxel

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