

## HLX-TGV

**XGS-PON ONT**  
**1x Gigabit LAN Port**  
**1x 10Gigabit LAN Port**  
**SFU and HGU support**  
**Advanced VLAN operation**  
**With VoIP**



### Product Description

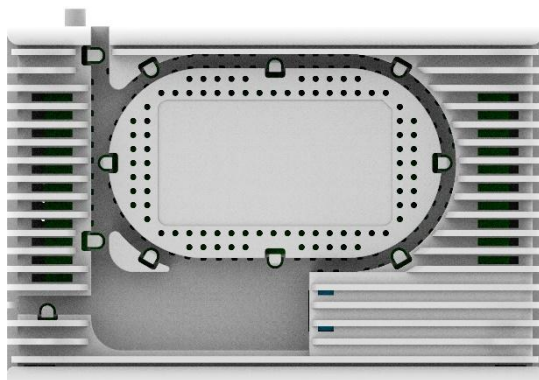
HALNy XGS-PON Gateway are innovative and powerful product for business and residential subscribers.

All products within the XGS-PON family comply with current ITU-T standards. The solution is designed to optimize the service provider's deployment and rollout. The HLX-TGV design offers multi-interopability with several OLT vendors. The ONT/ONU products have been tested and have proven compatibility with most major XGS-PON OLT vendors.

**HALNy HLX-TGV** provides one XGS-PON port (SC/APC type), Gigabit LAN port, one 10Gigabit Ethernet port, and two POTS port. ONT supports HGU (Home Gateway Unit – L3 / Router / NAT) and SFU mode (Single Family Unit) – bridge with advanced VLAN operation via OMCI.

**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.

Housing can be sold with the Operator logo on the top cover.



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 Wi-Fi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, resulting 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.



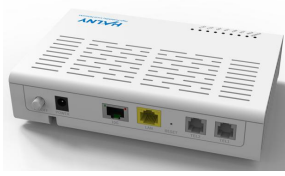
## Hardware Specification

<b>Flash / RAM</b>	128MB / 256MB	<b>Storage Temp.</b>	-20°C~70°C (-4F~158F)
<b>CPU</b>	Dual Core 1GHz	<b>Operating Temp.</b>	0°C~45°C (32F~113F)
<b>WAN Port</b>	XGS-PON N1 SC/APC 9.953Gbps Downstream 9.953Gbps Upstream	<b>Operating Humidity</b>	10% ~ 95% (non-condensing)
<b>GPON Tx</b>	4 ~ 9 dBm	<b>Power Supply</b>	DC +12V / 1.0A
<b>GPON Rx</b>	-10 ~ -27 dBm	<b>Buttons</b>	ON/OFF Power, Reset
<b>LAN Ports</b>	1 x port 1G/2.5G/5G/10G (RJ-45) 1 x port 10/100/1000BASE-T (RJ-45) Auto-sensing, auto-detection MDI/ MDI-X	<b>Dimension (W x D x H)</b>	172 x 115 x 40mm
		<b>VoIP</b>	2 x FXS
		<b>LED</b>	POWER, PON, LOS, NET, LAN, 10G, TEL1, TEL2

## Software Specification

<b>XGS-PON</b>	ITU-T G.9807.1 Compliant ITU-T G.988 Compliant (OMCI Model) Dying gasp, DBA, AES Forward Error Correction FEC)	<b>L3 (HGU Mode)</b>	Router / NAT / PAT PPPoE / DHCP Client Static IP DHCP Server IGMP Proxy VPN Pass-through UPnP DMZ / Port Forwarding IPv4 / IPv6 IPv6 Dual Stack IPv6 DS-Lite IPv6 Firewall RFC-6092
<b>L2</b>	802.1D Bridge VLAN 802.1Q with 802.1p CoS IGMP Snooping v/1v2/v3 Jumbo Frame 2K Rate-Limit (Traffic Limitation) Bridge filter Roque DHCP Server filter	<b>Provisioning</b>	Easy-to-use provisioning for all ONT configuration  DOCSIS like provisioning over GPON/EPON TR-069 OMCI OTT Upgrade DHCP 66/67 XML RestAPI / JSON
<b>VLAN (SFU Mode)</b>	Advanced VLAN operation: (access, transparent, translation, QinQ, Selective QinQ, Hybrid)		
<b>Management</b>	WEB (two user accounts) Remote Syslog OMCI		
<b>Telephony</b>	SIP, DTMF, Dial Plan		

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## Interoperability Test Result

<b>NOKIA</b> (Alcatel-Lucent)	<b>Cisco/AltiCe</b>
<b>DZS</b>	<b>FIBERHOME</b>
<b>ZTE</b>	<b>RAISECOM</b>
<b>HUAWEI</b>	<b>ZYXEL</b>
<b>CALIX</b>	<b>ZHONE</b>
<b>ADTRAN</b>	<b>ISKRATEL</b>

## Ordering Information

<b>HLX-TGV / HLX-TGV-EU</b>	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 10G, 1-PORT LAN 10/100/1000, 2XPOTS, B+ SC/APC, Router/Bridge, with European Power Adapter
<b>HLX-TGV-US</b>	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 10G, 1-PORT LAN 10/100/1000, 2XPOTS, B+ SC/APC, Router/Bridge, with North America Power Adapter
<b>HLX-TGV-UK</b>	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 10G, 1-PORT LAN 10/100/1000, 2XPOTS, B+ SC/APC, Router/Bridge, with United Kingdom Power Adapter
<b>HLX-TGV-NOPS</b>	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 10G, 1-PORT LAN 10/100/1000, 2XPOTS, B+ SC/APC, Router/Bridge, without Power Adapter

Please **contact sales** for detailed order information



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