HALNY
High Availability Local Networks

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.

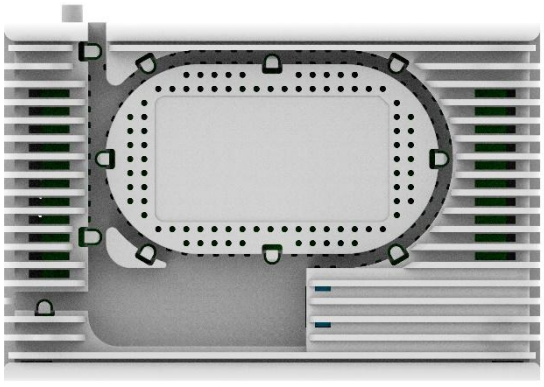
All products within the XGS-PON family comply with current ITU-T standards. The solution is designed to optimize the service provider's deployment and rollout. The HLX-TGV design offers multi-interoperability with several OLT vendors. The ONT/ONU products have been tested and have proven compatibility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

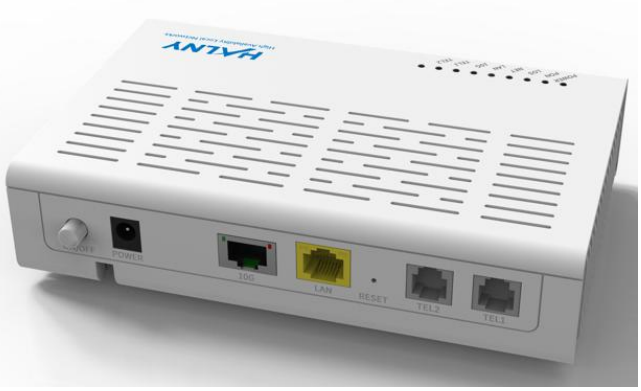
HALNy HLX-TGV provides one XGS-PON port (SC/APC type), Gigabit LAN port, one 10Gigabit Ethernet port, and two POTS port. ONT supports HGU (Home Gateway Unit – L3 / Router / NAT) and SFU mode (Single Family Unit) – bridge with advanced VLAN operation via OMCI.

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.

DEVELOPED
IN POLAND





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www.halny.com

FIBRAIN Sp. z o.o.
36-062 Zaczernie 190F
Poland

phone
e-mail

+48 17 866 08 00
sales@halny.com
support@halny.com



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Hardware Specification

Flash / RAM	128MB / 256MB
CPU	Dual Core 1GHz
WAN Port	XGS-PON N1 SC/APC 9.953Gbps Downstream 9.953Gbps Upstream
GPON Tx	4 ~ 9 dBm
GPON Rx	-10 ~ -27 dBm
LAN Ports	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

Storage Temp.	-20℃~70℃ (-4F~158F)
Operating Temp.	0℃~45℃ (32F~113F)
Operating Humidity	10% ~ 95% (non-condensing)
Power Supply	DC +12V / 1.5A
Buttons	ON/OFF Power, Reset
Dimension (W x D x H)	172 x 115 x 40mm
VoIP	2 x FXS
LED	POWER, PON, LOS, NET, LAN, 10G, TEL1, TEL2

Software Specification

XGS-PON	ITU-T G.9807.1 Compliant ITU-T G.988 Compliant (OMCI Model) Dying gasp, DBA, AES Forward Error Correction FEC)
L2	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
VLAN (SFU Mode)	Advanced VLAN operation: (access, transparent, transla-tion, QinQ, Selective QinQ, Hybrid)
Management	WEB (two user accounts) Remote Syslog OMCI
Telephony	SIP, DTMF, Dial Plan

L3 (HGU Mode)	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
Provisioning	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

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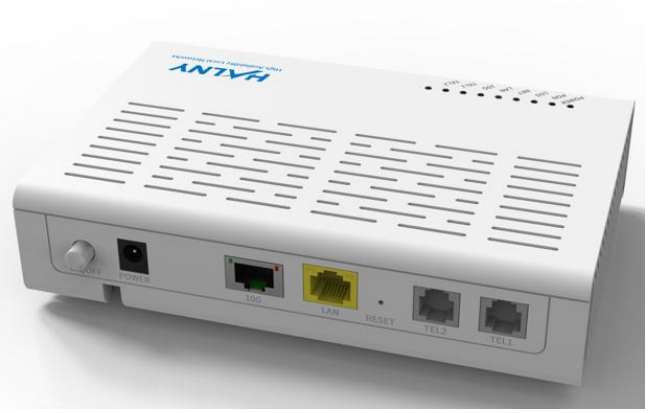
Interoperability Test Result

NOKIA (Alcatel-Lucent)	**Cisco/Altice**
DZS	**FIBERHOME**
ZTE	**RAISECOM**
HUAWEI	**ZYXEL**
CALIX	**ZHONE**
ADTRAN	**ISKRATEL**

Ordering Information

HLX-TGV / HLX-TGV-EU	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
HLX-TGV-US	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
HLX-TGV-UK	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
HLX-TGV-NOPS	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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