HALNY

High Availability Local Networks

HLX-1TLV

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



Product Description

HALNy XGS-PON ONTs are innovative and powerful products for business and residential subscribers.

All products within the XGS-PON family comply with current ITU-T standards for ten-gigabit passive optical networks (XGS-PONs). The solution is designed to optimize the service provider's deployment and rollout. The **HLX-1TLV** design offers multi-interoperability with several OLT vendors. The ONT/ONU products have been tested and have proven to be compatible with most major XGS-PON OLT vendors.

HALNy HLX-1TLV provides one XGS-PON port (SC/APC type), one VoIP port and one 10Gigabit Ethernet port. ONT supports 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



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.

www.halny.com

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

phone **+48 17 866 08 00**
e-mail **sales@halny.com**
support@halny.com



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Hardware Specification

Flash / RAM	128MB / 1024MB
CPU	Dual Core 1GHz
WAN Port	XGS-PON N1 SC/APC 9.953Gbps Downstream 9.953Gbps Upstream
XGS-PON Tx	4 ~ 9 dBm
XGS-PON Rx	-10 ~ -29 dBm
LAN Port	1 x port 1000/2500/10000 BASE-T (RJ-45) Auto-sensing, auto-detection MDI/ MDI-X
TEL PORTs	1 x POTS, RJ11

Storage Temp.	-20℃~70℃ (-4F~158F)
Operating Temp.	0℃~45℃ (32F~113F)
Operating Humidity	5% ~ 95% (non-condensing)
Power Supply	DC +12V / 1.5A
Buttons	ON/OFF Power, Reset
LED	POWER, PON, LOS, LAN, TEL
Dimension (W x D x H)	

Software Specification

XGS-PON	ITU-T G.9807.1 Compliant ITU-T G.988 Compliant (OMCI Model) Dying gasp Dynamic Bandwidth Allocation Downstream and upstream data Security (AES Encryption) 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, translation, QinQ, Selective QinQ, Hybrid)

Provisioning	Easy-to-use provisioning for all ONT configuration OMCI OTT Upgrade RestAPI / JSON
Telephony	SIP, DTMF, Dial Plan
Management	IP-Host support for MGMT IP-Host support for VOIP

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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-1TLV / HLX-1TLV-EU	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 1000/2500/10000, 1XPOTS, B+ SC/APC, Bridge, with European Power Adapter
HLX-1TLV-US	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 1000/2500/10000, 1XPOTS, B+ SC/APC, Bridge, with North America Power Adapter
HLX-1TLV-UK	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 1000/2500/10000, 1XPOTS, B+ SC/APC, Bridge, with United Kingdom Power Adapter
HLX-1TLV-UP	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 1000/2500/10000, 1XPOTS, B+ SC/APC, Bridge, with universal Power Adapter (UK / US / EU)
HLX-1TLV-NOPS	HALNY NETWORKS XGS-PON ONT 1-PORT LAN 1000/2500/10000, 1XPOTS, B+ SC/APC, Bridge, without Power Adapter

Please **contact sales** for detailed order information



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