HALNY
High Availability Local Networks

HLX-1TL

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



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 deployment and roll-out of the service provider. HLX-1TL design offers multi-interoperability with several OLT vendors. The ONT/ONU products are tested and have proven interoperability with most major XGS-PON OLT Vendors.

HALNy HLX-1TL provides one XGS-PON port (SC/APC type) 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

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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
LED	POWER, PON, LOS, LAN

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
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
Management	IP-Host support

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

Please **contact sales** for detailed order information



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