HALNY
High Availability Local Networks

HLX-SFPX

XGS-PON STICK
XGS-PON ONT
SFU support
Advanced VLAN operation

Product Description

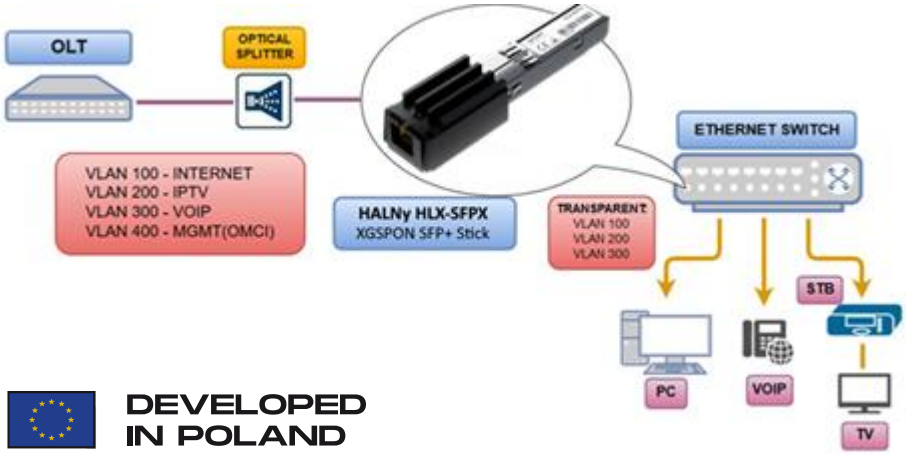
HALNy XGS-PON ONTs are innovative and powerful products for business and residential subscribers.

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-SFPX** 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.

HLX-SFPX is a XGS-PON ONT that acts as XGS-PON Demarcation Device and is designed to provide affordable access to FTTH networks for Business and Residential use. **HLX-SFPX** design enable operators to use CPE or other network device with SFP+ port as ONT.

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.

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Hardware Specification

Flash / RAM	128MB / 512MB
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 ~ -30 dBm
LAN Port	SFP+ form-factor, SFI/SGMII supporting 10G/2.5G/1G speeds
Weight	55g

Storage Temp.	-25℃~85℃ (-13F~185F)
Operating Temp.	-25℃~85℃ (-13F~185F)
Operating Humidity	5% ~ 95% (non-condensing)
Power Supply	According to SFP+ MSA 3.3V
Max Power Consumption	2.7W
Dimension (W x D x H)	80 x 18.1 x 15.2mm

Software Specification

XGS-PON	ITU-T G.9807.1 Compliant ITU-T G.988 Compliant (OMCI Model) 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 4K Rate-Limit (Traffic Limitation) Bridge filter Roque DHCP Server filter

Provisioning	Easy-to-use provisioning for all ONT configuration OMCI OTT Upgrade RestAPI / JSON
VLAN (SFU Mode)	Advanced VLAN operation: (access, transparent, translation, QinQ, Selective QinQ, Hybrid)
Management	IP-Host support for MGMT

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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-SFPX	HALNY NETWORKS XGS-PON ONT IN SFP+ FORM FACTOR N1 SC/APC, Bridge

Please **contact sales** for detailed order information

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