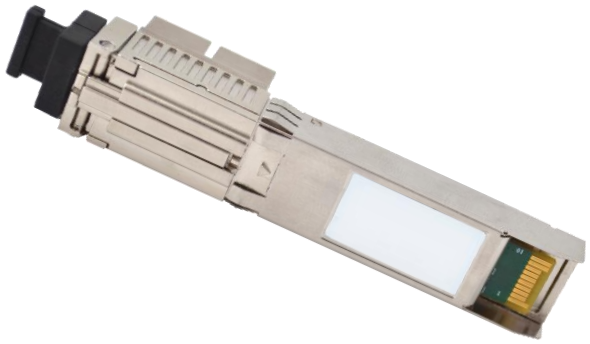
HLX-SFPX

XGSPON STICK
SFU XGSPON ONT



Product description

XGSPON Optical Network Termination products are designed for operators and service providers who seek advantage from the expanded capacity of a fiber access network.

HLX-SFPX is a XGSPON ONT that acts as XGSPON 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.

All products within the XGSPON family are compliant to current ITU-T standards for 10Gbit passive optical networks (XGSPON). The solution is designed to optimize the deployment and roll-out of the service provider.

The products use a single fiber to connect individual homes and businesses to the network for broadband services up to 9.953Gb speeds.

The flexible product design enables a variety of product features and available interfaces. All units have Layer 2 functionality by default. This includes advanced support for L2 VLANs, L2 QoS and Multicast IGMP.

The ONT/ONU products are tested and have proven interoperability with most major XGSPON OLT Vendors.

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.

The network interface is compliant to ITU-T G.984.5 to provide 9.953Gb/s downstream and 9.953Gb/s upstream. LAN interface allow to provide 10Gigabit service.

HALNY
High Availability Local Networks

XGSPON ONT Demarcation Device

Hardware Specification

Flash Memory	1Gb	**Storage Temp.**	-40~85ºC
WAN Port	XGSPON Class N2 Port (SC/APC) Rx sensitivity -27dBm / Rx overload -8dBm Tx power +4 ~ +9dBm	**Operating Humidity**	5~70 % (non-condensing)
		Power Voltage	According to SFP+ MSA
WAN Port Speed	XGSPON: 9.953Gbps/9.953Gbpc (DS/US)	**Power Consumption**	According to SFP+ MSA
LAN Port	SFP+ form-factor, SFI/SGMII supporting 10G/2.5G/1G speeds (*)		
Operating Temp.	0 ~ 70ºC or -40 to +85C (for I-Temp module)		

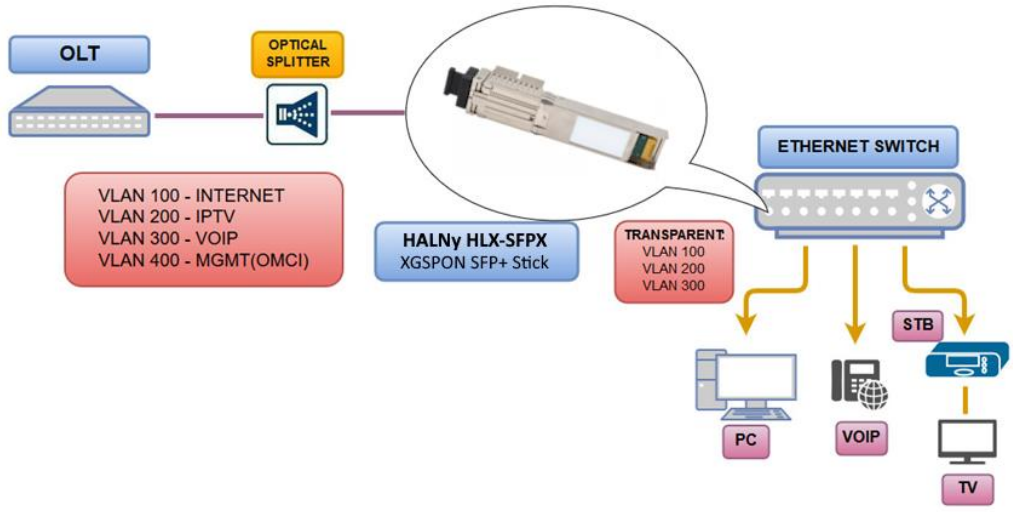
Software Specification

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)	**Multicast**	• IGMP Snooping
		L3	• IP HOST for remote management
		L2	• IEEE 802.1D Bridging • IEEE 802.1Q and IEEE 802.1P compliant • VLAN Translation • VLAN Filter • Access | Trunk | Native port • Storm-Control • QinQ (transparent and begin/end of tunnel)
QoS	• Ingress / Egress Rate Limiting • Packet Classification based on COS, DSCP		

Interoperability

Nokia
DASAN V-series OLTs
Zyxel
Huawei
ZTE

Sample scenario



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.