

HALNY

High Availability Local Networks

HL-GSFP

GPON STICK
2.5G LAN PHY
SFU support
Advanced VLAN operation



Product Description

HALNY GPON Gateway are innovative and powerful product for business and residential subscribers.

All products within the GPON family comply with current ITU-T standards for gigabit passive optical networks (GPONs). The solution is designed to optimize the deployment and roll-out of the service provider. HL-1GE design offers multi-interoperability with several OLT vendors. The ONT/ONU products are tested and have proven interoperability with most major GPON OLT Vendors.

HL-GSFP is a GPON ONT hidden in SFP transceiver and called GPON STICK. HL-GSFP can act as GPON Demarcation Device and is designed to provide affordable access to FTTH networks for Business and Residential use. The products use a single fiber to connect individual houses and businesses to the network for broadband services up to gigabit speeds.

It can be used in any switch (L2/L3), router, CPE or any other device which has an SFP port. This allows connecting to GPON network devices like IP DSLAM, CCTV cameras, mobile backhaul devices, WiMAX base stations, and others.

GPON STICK can operate at an extended temperature range (-40 ~ 85°C) so it can be used in locations where restricted environmental conditions are important.

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.



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	8MB	Storage Temp.	-40°C~85°C (-40F~185F)
WAN Port	GPON B+ SC/APC 2.488Gbps Downstream 1.244Gbps Upstream	Operating Temp.	-40°C~75°C (-40F~167F)
GPON Tx	0.5 ~ 5 dBm	Operating Humidity	5% ~ 95% (non-condensing)
GPON Rx	-10 ~ -27 dBm	Power Supply	According to SFP MSA requirements 3.3V power
LAN	SFP port slot, SGMII 2.5Gbit	Dimension (W x D x H)	85 x 15 x 13mm
TYPE	SFP, hot pluggable		

Software Specification

GPON	ITU-T G.984.x and G.988 OMCI G.984.4 / G.988 AES / FEC / DBA Dying GASP Multicast GEM	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
L2	802.1D Bridge VLAN 802.1Q with 802.1p CoS IGMP Snooping v1/v2/v3 Jumbo Frame 2K Rate-Limit (Traffic Limitation) QoS (COS, DSCP)	L3	IP-HOST for remote MGMT
VLAN (SFU Mode)	Advanced VLAN operation: (access, transparent, translation, QinQ, Selective QinQ, Hybrid)		
Management	OMCI		

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Interoperability Test Result

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

Ordering Information

HL-GSFP HALNY NETWORKS GPON ONT SFP B+ SC/APC, BRIDGE

Please **contact sales** for detailed order information



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