HSGQ-XPON-STICK ONU

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Variants

10G UPC 1.25/2.5G UPC

Details

HSGQ XPON Stick ONU

HSGQ-XPON-STICK is a compact XPON SFP ONU, also known as a Stick ONU, designed to be directly plugged into the SFP optical port of a switch, router, firewall, or industrial networking device.

Although it looks like a standard SFP optical module, it integrates a built-in CPU, flash memory, and operating system, allowing it to function as a complete XPON ONU without requiring an external ONU device. This makes it ideal for ISPs, enterprise networks, FTTR, CCTV backhaul, Wi-Fi access points, and compact fiber deployments where space, power efficiency, and simplicity are critical.

Product Overview

Category	Description
Product Type	XPON SFP ONU / Stick ONU
Model	HSGQ-XPON-STICK
Installation	Directly plugs into standard SFP optical ports
Built-in System	Integrated CPU, flash memory, and operating system
Typical Applications	ISP networks, FTTR, CCTV backhaul, Wi-Fi AP uplink, industrial networking

Optical & XPON Specifications

Parameter	Specification
Downstream Wavelength	1490 nm
Upstream Wavelength	1310 nm
XPON Support	GPON / EPON
GPON Speed	Downstream: 2.5 Gb/s, Upstream: 1.25 Gb/s
EPON Speed	Downstream: 1.25 Gb/s, Upstream: 1.25 Gb/s

Standards & Compliance

Standard	Details
SFP Standard	Complies with SFP Multi-Source Agreement (MSA) – SFF-8074i
DDM / DOM	Compatible with SFF-8472
GPON Standard	ITU-T G.984.2 / G.984.2 Amendment 1
OMCI Management	ITU-T G.988
Laser Safety	IEC-60825 Class I compliant
Environmental	RoHS compliant

Key Advantages

Feature	Benefit
SFP Form Factor	Compact design for direct use in standard SFP ports
Plug-and-Play	Simplifies installation and deployment
No External ONU Required	Reduces equipment count and saves space
Low Power Consumption	Efficient for long-term continuous operation

Lower Deployment Cost	Reduces cabling, installation space, and overall cost

Downloads

Document	Description
User Manual	Download user manual guideline
PPPoE Firmware	Download firmware for PPPoE mode
Bridge Mode Firmware	Download firmware for bridge mode

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