

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
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Downloads

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