

HSGQ-XPON-STICK

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Variants

10G UPC 1.25/2.5G UPC

Details

HSGQ-XPON-STICK is a compact **XPON SFP ONU (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 (optical modem)** without requiring an external ONU device.

This makes the HSGQ-XPON-STICK an ideal solution for **ISPs, enterprise networks, FTTR, CCTV backhaul, Wi-Fi access points, and compact fiber deployments** where space, power efficiency, and simplicity are critical.

Key Features

Wavelengths

- Downstream: **1490 nm**
- Upstream: **1310 nm**

XPON Support

- **GPON**
- Downstream: **2.5 Gb/s**
- Upstream: **1.25 Gb/s**
- **EPON**
- Downstream: **1.25 Gb/s**
- Upstream: **1.25 Gb/s**

Standards Compliance

- Complies with **SFP Multi-Source Agreement (MSA) – SFF-8074i**
- **DDM/DOM** interface compatible with **SFF-8472**
- **ITU-T G.984.2 / G.984.2 Amendment 1** (GPON)
- **ITU-T G.988** (OMCI management)
- **IEC-60825 Class I** laser safety compliant

- **RoHS** compliant

Advantages

Small Form-Factor Pluggable (SFP) design

Plug-and-play installation into standard SFP ports

No external ONU required – integrated system inside the module

Low power consumption, ideal for continuous operation

Reduces cabling, space, and deployment cost

Suitable for **switch-based FTTH / FTTR architectures**

[Download user Manual Guideline](#)

[Download firmware for PPOE](#)

[Download Firmware for Bridge mode](#)