

# GPON OLT STICK

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## Variants

C+ 1:32

## Details

## Product Overview

The HSGQ-SFP-vOLT\_128 is a GPON OLT SFP stick module.

It integrates OLT functionality into switches, routers, or other network devices via an SFP slot.

Fully compliant with ITU-T G.984.x GPON standards.

Class C+ optical module with a higher optical budget, enabling longer reach and higher split ratios.

## Key Features

Downstream (OLT to ONU): 2.488 Gbps

Upstream (ONU to OLT): 1.244 Gbps

Optical budget: about 32 dB (supports up to 20 km reach depending on splitter ratio)

Transmission wavelengths:

Downstream: 1490 nm

Upstream: 1310 nm

Connector type: SC/UPC

Hot-pluggable SFP interface

Built-in management and control functions via OMCI

## **Applications**

GPON OLT deployment in FTTx networks (Fiber to the Home, Business, Building)

Suitable for ISPs, telecom operators, and data centers requiring compact OLT integration

Enables plug-and-play OLT functionality on devices with SFP ports, reducing hardware needs

## **Power and Environmental Specifications**

Power supply: +3.3V

Power consumption: less than 3.5W

Operating temperature:

Commercial: 0°C to 70°C

Industrial: -40°C