

GPON OLT STICK

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