HSGQ GPON OLT

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Variants

G08L 4 Port OLT-G04R 2 Port OLT-G02 8 Port OLT-G08R G16L G01

Details

The **HSGQ GPON OLT Series** is a high-performance Optical Line Terminal platform designed for FTTH, ISP, enterprise, and carrier-grade GPON deployments. It supports high-density GPON access, Layer 2/Layer 3 networking, advanced VLAN management, QoS, security features, and centralized cloud management.

Split Ratio	**1:128**
Uplink	**10G SFP+**
Management	**Cloud / SNMP**

Application

FTTH ISP

Available Models

HSGQ-G01 | HSGQ-G02R | HSGQ-G04R | HSGQ-G08L | HSGQ-G16L

Technical Specifications

GPON Interface

8 × GPON Ports, 4 × GE RJ45, 2 × 1G SFP, 2 × 10G SFP+

PON Standard

Class C++ / C+++ / C++++, 1:128 Split Ratio per GPON Port

Memory

32MB Flash Memory, 1GB DDR Memory

Dimensions

442 × 260 × 44 mm

Weight

Less than 5 kg

Management Ports

Console Port and Ethernet Management Port

Power Supply

AC 100V – 240V, 50/60Hz

Power Consumption

Less than 60W

Layer 2 Features

? VLAN / VLAN Translation / QinQ

? Up to 4094 VLAN IDs

? RSTP / MSTP

? Link Aggregation

? Storm Control

? Port Isolation

? IGMP Snooping / Proxy

? Port Mirroring

Layer 3 Features

? Static Routing

? DHCP Server

? DHCP Snooping

? DHCP Relay

? OSPF Routing

GPON Features

? ONU Auto Registration

? ONU Whitelist / Blacklist

? DBA Configuration

? ONU Authorization

? P2P Support

Management & Security

? CLI Management

? WEB Management

? SNMP / NMS

? Cloud Management

? User / Alarm / Log Management

? ACL Access Control

? QoS Based on Port / VID / MAC / TOS

? PON Data Encryption

Applications:

FTTH Networks • ISP Infrastructure • Enterprise Broadband • Telecom Operators • Campus Networks • Smart City Deployments • GPON Access Networks

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