

HSGQ GPON OLT

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Variants

G01 G16L G08R G08L G02 G04R

Details

HSGQ GPON OLT Series – High-Performance Optical Line Terminals

Powerful, scalable GPON OLT solutions designed for FTTH, enterprise broadband, ISP networks, surveillance systems, IoT connectivity, and more. All models comply with **ITU-T G.984** × / **G.988** standards and offer flexible management, monitoring, and high reliability for modern access networks.

Model	PON Ports	Uplink	Use Case	Max ONUs	Highlights
G01	1 × GPON	4 × GE + 1 × 10G SFP+	Small ISP / SOHO / Micro-projects	Up to 128	Compact 1U, full GPON features
G02	2 × GPON	4 × GE + 1 × 10G SFP+	Small/Medium ISP / Enterprise	Up to ~256	Dual PON for more users
G04R / G04L	4 × GPON	GE / SFP / 10G options	Medium ISP / Campus	Up to multiple hundreds	Balanced mid-tier system
G08L	8 × GPON	4 × GE + 2 × 1G SFP + 2 × 10G SFP+	Large Networks / FTTH	Up to ~1024	Powerful multi-port OLT
G08R	8 × GPON	GE / 10G flexible uplinks	Large ISP / Multi-service	High capacity	Rich interfaces & redundancy
G16L	16 × GPON	4 × GE COMBO + 2 × 10G SFP+	Very Large ISP / Metro	Up to thousands	Carrier-class backbone OLT

Key Notes:

All variants support **ITU-T GPON standards** for compatibility with major networks.

Flexible uplinks with **10G SFP+** options are available on most models for high-speed backhaul.

Management includes **OMCI / CLI / Web / SNMP / NMS / Cloud** options for centralized control.

Designed for **long-distance fiber access** up to ~60 km with 1:128 split ratios.

[Download HSGQ G02 : Data sheet in PDF File](#)

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