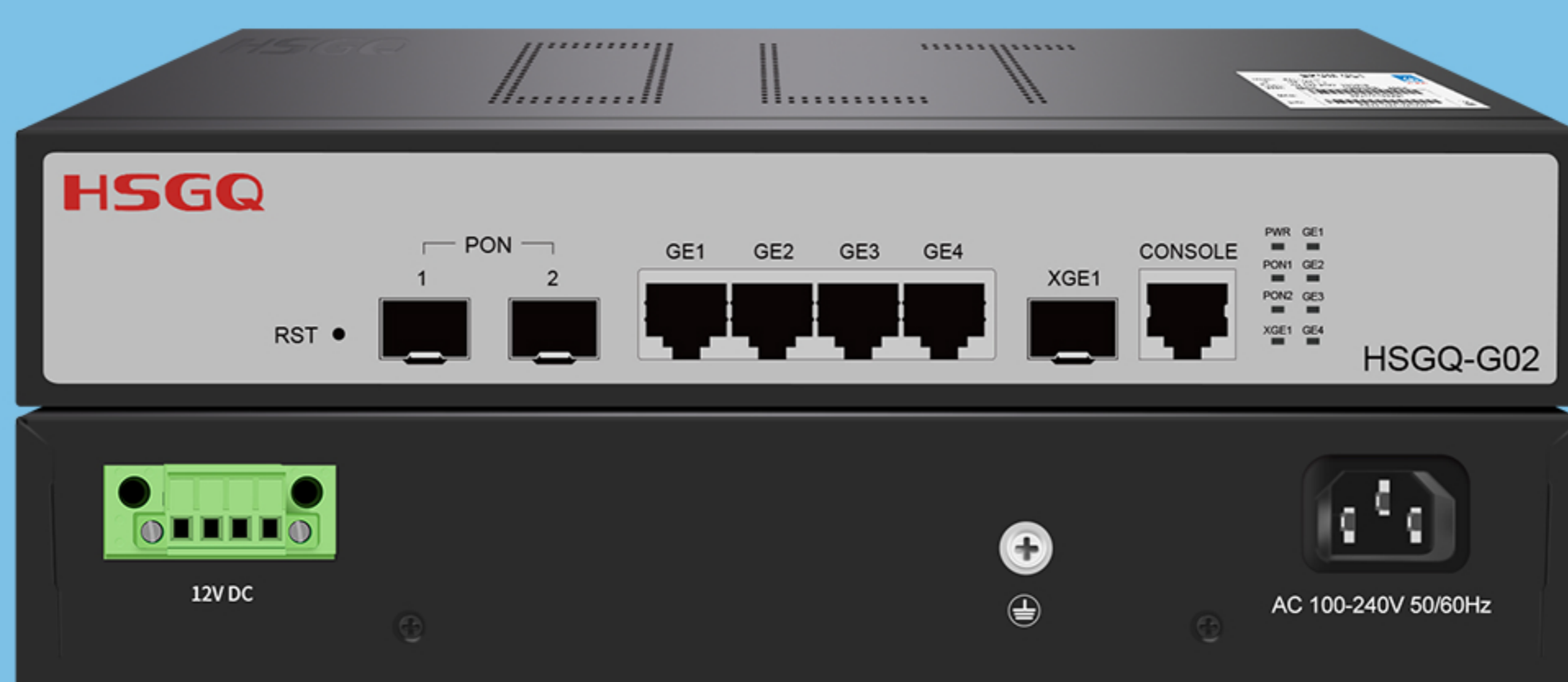# HSGQ-G02

Product Description

G02 is a small-capacity cassette GPON OLT, meeting the requirements of ITU-T G.984/G.988 and relative standards of China Telecom/Unicom GPON, with super GPON access capacity, carrier-class reliability and the complete security function. It can satisfy long-distance optical fiber access requirement on account of its excellent management, maintenance and monitoring capability, abundant service features and flexible network mode.G02 can be used with network management system so as to provide users with the comprehensive access and perfect solution.

G02 provides 2×downlink GPON port, 4×GE RJ45 and 1×10G SFP+ port.The height is only 1U for easy installation and space saving. G02 is suitable for Broadcast three in one, video surveillance network, enterprise LAN, Internet of Things, etc.

Product Specifications

Interface	2×GPON
	4×GE RJ45
	1×10G SFP+
PON	ITU.T G.984.x/G.988
	Password authentication modes
	Terminal access up to 60km on a single fiber
	1: 128 split ratio on single PON port
	DBA algorithm, and the particle is for 64Kbit/s
	Standard OMCI management function
	ONU batch software upgrade
	PON port optical parameter detection
	Auto registration ONU bound with default profile
Flash	128MB
DDR	512M
Size	250mm × 180mm × 44mm
Weight	＜5kg
Management Ports	Console port
Environment	Operating temperature: -10°C~55°C
	Storage temperature: -40°C~70°C
	Storage humidity: 5%~95% (non-condensing)
Power Supply	AC:100V-240V 50/60Hz
	DC 12V
Redundancy Design	Dual power supply can be choose
	Support AC+DC input
Power Consumption	＜10W
Platform Management Features	Device list
	Project management
	Version Release
	Lisense management
	Permission management
	User management
Configuration And Management	CLI, WEB, SNMP, NMS and CLOUD
	Software and bootrom Upgrade by TFTP and FTP
	Chinese/English command prompt
	Ping and Debug diagnosis
	User/Log/Alarm management

Product Specifications

Status	PON Status
	Uplink Status
	Performance Monitor
	System Monitor
L2 Function	Support VLAN
	Support Port mirror
	Support Storm control
	Support IGMP Snooping/proxy
	Support MAC Black Hole
	Support Port isolation
	Encrytion of PON port transmitting data

Key Features

- 16K MAC address table
- Support flexible DBA, up and down traffic speedcontrol
- Support port aggregation
- Support port-based traffic control, traffic shaping
- Support ONU automatic identification, auto-discovery, and auto-registration
- Support VLAN
- Flexible and controllable multicast support, support IGMP snooping
- Support Cloud Management

Product Advantages

- Uplink: support electrical and optical modules, can be flexibly configured according to different networking
- Optical link diagnosis: complete warning mechanism
- High reliability: supports dual power supply
- Dimension: 1U cassette save space, low power consumption
- Capacity: Each PON supports up to 128 terminals, the whole device supports up to 256 ONUs under full configuration

Ordering Information

Product Model	Description
HSGQ-G02	2×GPON Ports
	4×GE RJ45
	1×10G SFP+