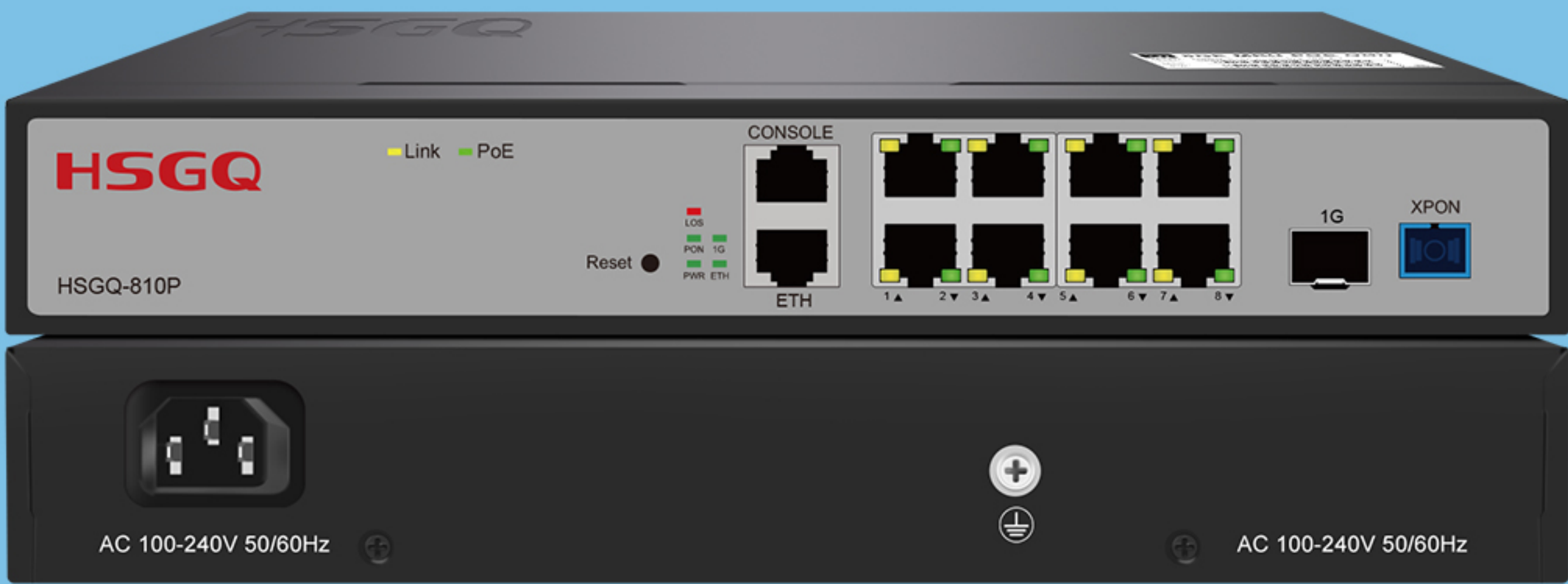# HSGQ-810P

Product Description

HSGQ-810P is our latest XPON passive optical network communication terminal 8-port MDU, the product supports G/EPON adaptive, provides 8 GE network ports, 1 1.25G SFP slot, metal shell; The stability and wide compatibility of the product are suitable for high-speed interconnection projects such as video surveillance, smart city, and smart transportation, and can work normally under the harsh environment of high and low temperature difference, which can well meet the application of high-speed data transmission.

Technical Parameter

Module	Parameter
User Interface	8×10/100/1000M adaptive RJ45 interface
	1×1.25G SFP slot
	54V PoE output power supply
PON	1×GPON/EPON Interface Interface type: PX20+
	GPON: upstream 1.25Gbps/downstream 2.5Gbps Transmit optical power: 0~4dBm Optical power: -7 DBM ~-28 DBM
	EPON: upstream 1.25Gbps/downstream 1.25Gbps Transmit optical power: 0~4dBm Optical power: -7 DBM ~-27 DBM
PoE	Power supply sequence 1/2(+),3/6(-)
	PoE output voltage 54VDC
	The maximum power of a single port is 30W, and the maximum power of the whole machine is 120W
RJ45 Lightning Protection	Common mode 4kV,
	Differential mode 2kV
Size	286mm x 192mm x 44mm
Environment	Operating temperature: -30°C~70°C
	Working humidity: 10% ~ 90% (no condensation)
	Storage temperature: -40°C to 80°C
	Storage humidity: 5%~95% (storage temperature)
Power Supply	100~240V AC
Power Consumption	Power: 10W(excluding PoE)

Ordering Information

Product Model	Description
HSGQ-810P	8×10/100/1000M RJ45
	1×1.25G SFP slot
	8*PoE interface (120W)
	Power supply AC 220V

Key Feature

- The point-to-multipoint network topology effectively collects and converges the scattered Ethernet services of users, and provides a standard RJ45 fast Ethernet interface on the user side.
- The dynamic bandwidth allocation mechanism enables all users to share bandwidth more reasonably, achieve reliable quality of service (QoS), and ensure the service quality of different services in the same network
- Support IGMP multicast, efficient use of broadband
- Support multicast VLAN
- Provide remote management via OLT and supports local console management
- Support the loopback detection function of the Ethernet interface on the user side
- Support IEEE 802.1q VLAN protocol
- Support broadcast storm suppression
- Support IEEE802.3x flow control (full duplex)
- Support IEEE 802.1p, CoS protocol
- Support WR and SP queue scheduling algorithms
- Support port speed limiting
- Support wide temperature difference between -30°C and 75°C
- All port support 4KV lightning protection
- Support PoE network port power supply that complies with IEEE802.3af/802.3at standards
- Support IPv4 / IPv6

Product Interfaces

Indicator		Description
PWR	Power Status	Steady on: The device is powered on
		Off: The device is not powered on
PON	Registration Status	Steady on: The OLT is successfully registered
		Flash: Registering to OLT
		Off: The no signal input or optical signal input is abnormal
LOS	Optical Signals	Steady red: The no signal input or optical signal input is abnormal
		Off: The optical input is normal
Link	LAN Status	Steady on: The link is properly connected
		Shiny: Data transfer
		Off: The link is down
1G	Fiber Port Status	Steady on: The link is properly connected
		Shiny: Data transfer
		Off: The link is down
ETH	ETH Port Status	Steady on: The link is properly connected
		Shiny: Data transfer
		Off: The link is down
PoE	PoE status	Steady on: The power supply is running
		Off: The power supply is off