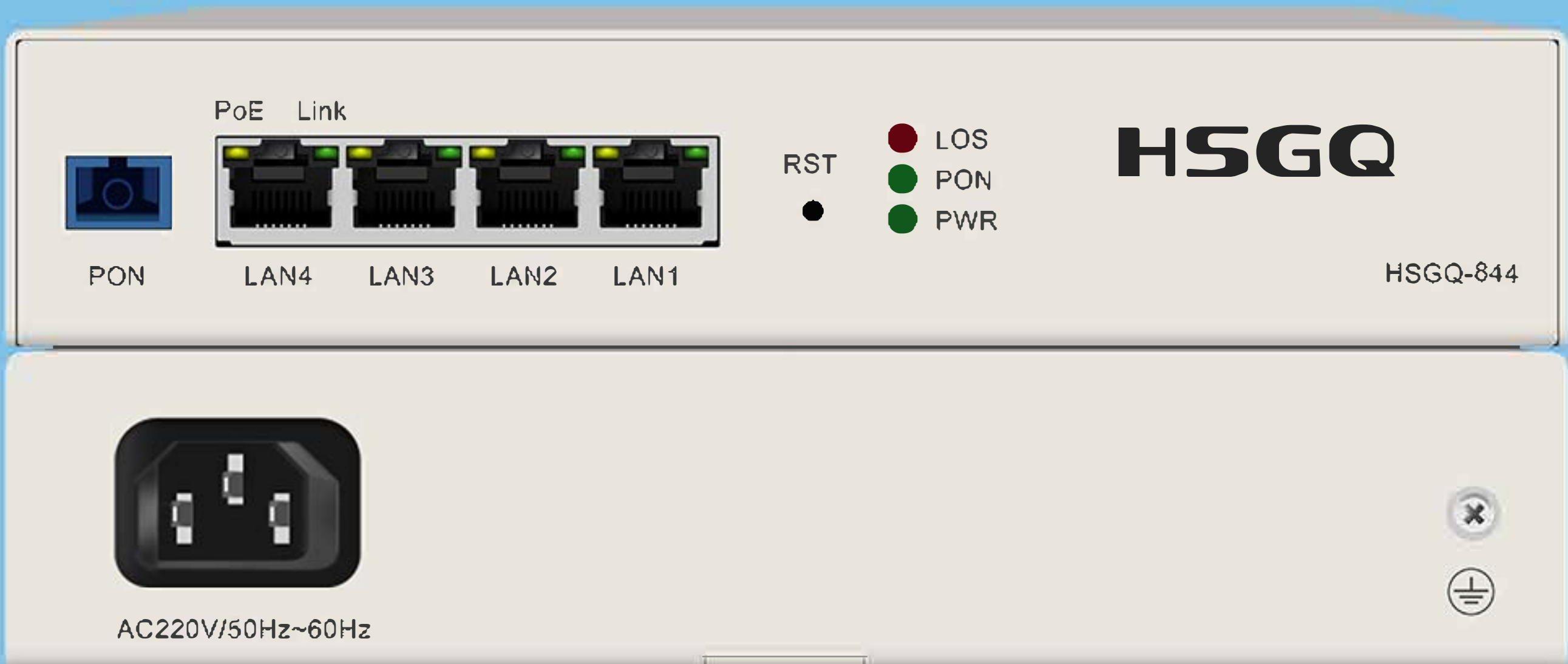# HSGQ-844
INDUSTRLAL GRADE XPON 4GE

Product Description

HSGO-844 is one of the latest 84 series of industrial grade XPON passive optical network communication terminals launched by our company. The product provides 4GE and 1 optical fiber access port, built-in industrial power supply and metal shell; The stability and wide compatibility of the product are suitable for high-speed interconnection projects such as smart city and smart transportation, It can work normally under the harsh environment of high and low temperature difference, and well meet the application of high-speed data transmission.Industrial applications, the operating environment supports the temperature difference between -40℃~+75℃, and all ports support 6KV lightning protection function, which is safe regardless of indoor and outdoor deployment.

Technical Parameter

Module	Parameters
User Interface	4×10/100/1000M RJ45
	54V PoE input power supply
	RJ45 lightning protection: CM 6KV, DM 2KV
PON Interface	Network Coverage Radius: 20KM
	1 × XPON adaptive interface
	Interface type: px20+
	Uplink and downlink speed: 1.25gbps/2.5gbps
	Transmitted optical power: 0~4dbm
	Optical receive power: 7~−27dBm
	Sensitivity: ≥−28dBm
PoE/PoE+	Uplink and downlink wavelength: 1310nm /1490nm
	Power supply line sequence 1/2(+), 3/6(−)
	PoE input voltage 54V DC
	The power of a single port is 30W, PoE standard, IEEE 802.3af/at
Management Configuration	Onboard power: 6W
	Support web interface management
Size	Support telnet command remote login management
Environmental	200mm (L) × 135mm (W) × 40mm (H)
	Working environment: −40℃~80℃; 10%~85%
Power Supply	Storage environment: −40℃~80℃; 5%~95%
	Built-in industrial power supply
	110~240AC, 50Hz

Key Feature

- The point to multipoint network topology is adopted to effectively collect and aggregate the scattered Ethernet services of users, and the standard RJ45 Fast Ethernet interface is provided on the user side
- Dynamic bandwidth allocation mechanism enables all users to share bandwidth more reasonably, realize reliable quality of service (QoS), and ensure the service quality of different services in the same network
- Support IGMP multicast and IGMP snooping, make effective use of broadband
- Support multicast VLAN
- GPON is adopted to meet ITU-T G.984/G.988 standards
- Provide remote management through OLT and support local console management
- Support the line loopback detection function of user side Ethernet interface
- Support IEEE802.1q VLAN protocol
- Support broadcast storm suppression
- Support IEEE802.3x flow control (full duplex)
- Support IEEE802.1p, cos protocol
- Support WR and SP queue scheduling algorithms
- Support port speed limit
- Support −40°C~+75°C high and low temperature difference
- All ports support 6KV lightning protection
- Compatible with IEEE802.3at and IEEE802.3af
- Support IPv4/IPv6
- Auto discovery and Auto Register

Ordering Information

Product Model	Descriptions
HSGQ-844	4×10/100/1000M RJ45 (PoE)
	1×E/GPON adaptive interface
	Power supply AC220V, 50Hz

For more information, please visit: http://www.hsgq.com