

HSGQ-843

INDUSTRIAL GRADE XPON 4GE



Product overview

HSGQ-843 is one of the latest 84 series of industrial grade xpon passive optical network communication terminals launched by our company. The product provides 4 Ge and 1 optical fiber access port 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°C~+75°C, and all ports support 6KV lightning protection function, which is safe regardless of indoor and outdoor deployment.

Technical parameter

Model	Describe
User interface	4*10/100/1000MRJ45 54V POE input power supply RJ45 lightning protection: CM 6KV, DM 2KV
PON	1 * xpon adaptive interface Interface type: px20+ Uplink and downlink speed: 1.25Gbps/2.5Gbps Transmitted optical power: 0-4dbm Saturated optical power: ≤ -7 ~ -27dBm Sensitivity: ≥ -28dBm Uplink and downlink wavelength: 1310nm / 1490nm
PoE/PoE+	Power supply line sequence 1/2 (+), 3/6 (-) POE input voltage 54V DC The maximum power of a single port is 30W, and the maximum power of the whole machine is 60W Onboard power: 6W
Management configuration	Support web interface management Support telnet command remote login management
Size	145mm (length) × 105mm (width) × 25mm (height)
Environment	Working environment: -40 °C ~ 80 °C; 10% ~ 85% Storage environment: -40 °C ~ 80 °C; 5%~95%
Power Supply	110~240AC

Product features

- 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 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 IEEE 802.1Q VLAN protocol;
- Support broadcast storm suppression;
- Support IEEE 802.3x flow control (full duplex)
- Support IEEE 802.1p, 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
- Support PoE network port power supply conforming to IEEE802.3af standard

Ordering information

Model	Describe
HSGQ-843	4*10/100/1000MRJ45 4*PoE interface Power supply AC220V

