HSGQ-X100DG

PON   LAN1   RESET   PWR   ON/OFF

Technical Parameter

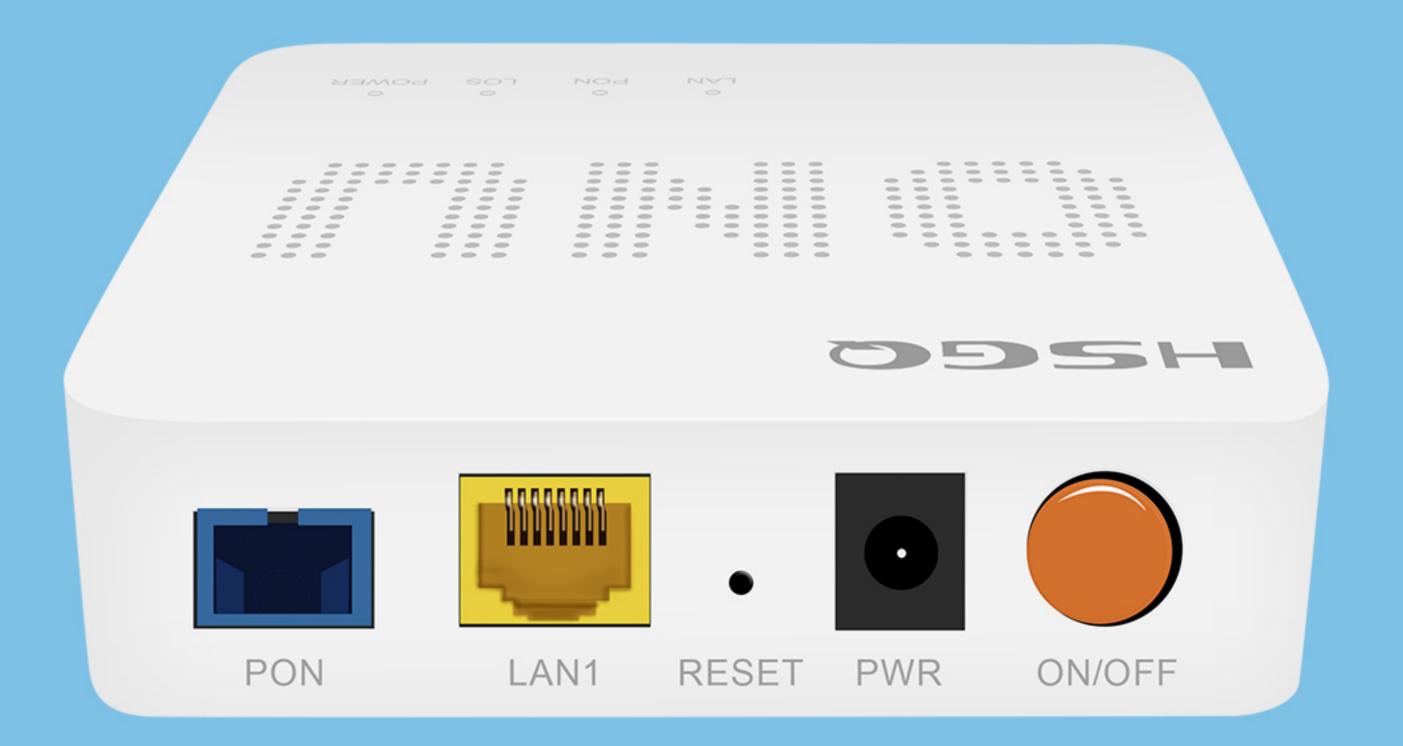| Module	Parameter
User Interface	1×10/100/1000M RJ45
PON	EPON&GPON mode adaptive Interface Type: SC-UPC/SC-APC Network coverage radius: 20KM
	GPON: upstream 1.25Gbps/downstream 2.5Gbps Optical receive power: −7~−28dBm Continuous lightpower: 0.5dBm~+5dBm
	EPON: upstream 1.25Gbps/downstream 1.25Gbps Optical receive power: −7~−27dBm Continuous light power: 0dBm~4dBm
Ethernet	1×10/100/1000M auto-negotiation
	Full/half duplex mode
	RJ45 connector
	Auto MDI/MDI-X
	100m distance
Size	105mm(L) × 85mm(W) × 25mm(H)
Environmental	Operating temperature: 0℃~60℃
	Operating humidity: 10%~85%(non-condensing)
	Storage temperature: −40℃~80℃
	Storage humidity: 5%~95%(non-condensing)
Power Supply	12V/0.5A DC
	power interface size: 2.1mm/5.5mm
Power Consumption	<3W
Management	Web/TELNET/TR069/OAM/OMCI

Ordering Information

Product Model	Description
HSGQ-X100DG	1×10/100/1000M Ethernet interface(RJ45)
	1 EPON/GPON adaptive interface

Key Feature

- Support port-based rate limitation and bandwidth control
- In compliant with IEEE802.3ah & ITU-T G.984 adaptive interface
- Up to 20KM transmission distance
- Support data encryption, group broadcasting, port Vlan separation, etc.
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support port mode of VLAN configuration
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Support port loop detection
- Support ACL to configure data packet filter flexibly
- Support PPPoE/DHCP Server/IPTV/NAT
- Specialized design for system breakdown prevention to maintain stable system
- Support software online upgrading
- Support mac/port/url filter
- Support IPv4/1Pv6

Product Interfaces and Indicators Definitions

Indicator		Description
POWER	Power Status	On: The ONU is power on
		Off: The ONU is power off
PON	ONU Register	On: Success to register to OLT
		Blinking: In process of registering to OLT
		Off: Fail to register to OLT
LOS	Optical Signals	On: Optical power is abnormal
		Off: Optical in normal
LAN	LAN Port Status	On: Ethernet connection is normal
		Blinking: Data is being transmitted
		Off: Ethernet connection is not set up