

X100



Technical Parameter

Item	X100
User interface	
PON接口	1 *10/100/1000M RJ45 Transmission speed : GPON: upstream 1.25Gbps /downstream 2.5Gbps EPON: upstream 1.25Gbps /downstream 1.25Gbps Network coverage radius: 20KM GPON: Optical receive sensitivity:≥-28dBm Continuous light power: 0.5dBm~+5dBm EPON: Optical receive sensitivity:≥-27dBm Continuous light power: 0dBm~4dBm Security: ONU authentication mechanism
Ethernet	1*10/100/1000Mauto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X Auto MDI/MDI-X 100m distance
Service	Support NAT Support PPPOE/DHCP/Static IP/Bridge WAN
QOS	DBA IEEE 802.1p, CoS WR,SP and FIFO queue scheduling algorithm
Safety	Firewall Access control Loop detection
Size	105mm(L) ×85mm(W) ×25mm(H)
Environment	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 Consumptio	<3W

Key Features

Support port - based rate limitation and bandwidth control
In compliant with IEEE802.3ah Standard & ITU-U G.984
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
支持PPPoE/DHCP Server/IPTV /NAT
Specialized design for system breakdown prevention to maintain stable system
Support software online upgrading
Support PPPoE/DHCP Server/NAT
Support mac/port/url filter

Product Interfaces and Indicators Definitions

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

Ordering Information

Product Model	Descriptions
HSGQ-X110W	1*10/100/1000M Ethernet interface(RJ45) 1 EPON or GPON interface

General Description

HSGQ-X100 is for broadband access market based on the introduction of EPON & GPON technology passive optical network terminal products. It’ s with EPON/GPON OLT are used together to provide a complete broadband access solution.

It’ s suitable for home or business users, and can meet the FTTH high-speed data transmission of the application.