



SPO-GS1210-1A/1D

1 PON Port GPON OLT



Dedicated Chip



Low Power Consumption



High Speed CPU

Overview

GPON OLT SPO-GS1210-1A completely meet relative standard of ITU G.984.x and FSAN, the device with 2 uplink Ethernet ports and 1 optional port (XGPON/10 Gigabit uplink port) and 1 GPON port.Each GPON port supports the splitting ratio of 1:128, The GPON system supports up to 128 terminal connections.

Features

GPON Function	Multicast Function
<ul style="list-style-type: none"> ➤ ITU-T G.984/G.988 standard ➤ Support OMCI protocol ➤ T-CONT DBA ➤ GEMPORT traffic ➤ ONU auto discover ➤ Ranging function ➤ Downstream data encrypted 	<ul style="list-style-type: none"> ➤ IGMP snooping ➤ IGMP V1/V2/V3 ➤ Multicast VLAN translation
Layer 2 Switching Function	Management Function
<ul style="list-style-type: none"> ➤ Access/Trunk/Hybrid L2 access mode ➤ Support 64K MAC address ➤ Support 4094 VLANs ➤ VLAN filter function,VLAN transform ➤ L2 port mirror ➤ MAC address learning/aging 	<ul style="list-style-type: none"> ➤ CLI/WEB/Telnet/SSH/MQTT ➤ Performance Management ➤ Alarm Management ➤ Security Management ➤ Wifi access, direct mobile phone wifi login management
Other	Maintenance Function
<ul style="list-style-type: none"> ➤ Display screen can show the IP address, the 	

number of ONU terminals, etc

- Device log
- Device upgrade
- Fault diagnose function
- Condition monitoring function

Product interface



Optional extended rack ears to fit into the rack.



BBU

Optional BBU and customizable priority settings.

Specification

Hardware		Parameter
PON Port	Quantity	1
	Physical interface	SFP slot
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+
	Max splitting ratio	GPON: 1:128
Uplink Port (default)	2 10/100/1000M auto-negotiation Ethernet ports	
Optional Port	XGPON port/10Gigabit uplink port	
Management Port	1 CONSOLE local management port	
PON Port attribute	Transmission distance	20KM
	Port rate	GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps
	Wavelength	Forwarding: 1490nm Receiving: 1310nm
	Interface type	SC/UPC
	Fiber type	9/125μm SMF (Single Mode Fiber)

	Light transmission power	Class B+: +1.5 ~ +5dBm	Class C+: +3 ~ +7dBm
	Receiving sensitivity	Class B+: -28dBm	Class C+: -30dBm
	Saturation power	Class B+: -8dBm	Class C+: -12dBm
Backplane Bandwidth		11.5G (Optional port is XGPON port) 27.75G (Optional port is 10 Gigabit uplink port)	
Power Supply			
AC		100V ~ 240V, 47~63Hz	
DC		External adapter mode 12V/2A	
Environment			
Working temperature		-15 ~ 50°C	
Storage temperature		-40 ~ 85°C	
Ambient humidity		5 ~ 90% (Non-condensing)	
Mechanics			
Dimensions		290(L)*193(W)*41(H)mm	
Weight		1.5kg	

Network Construction

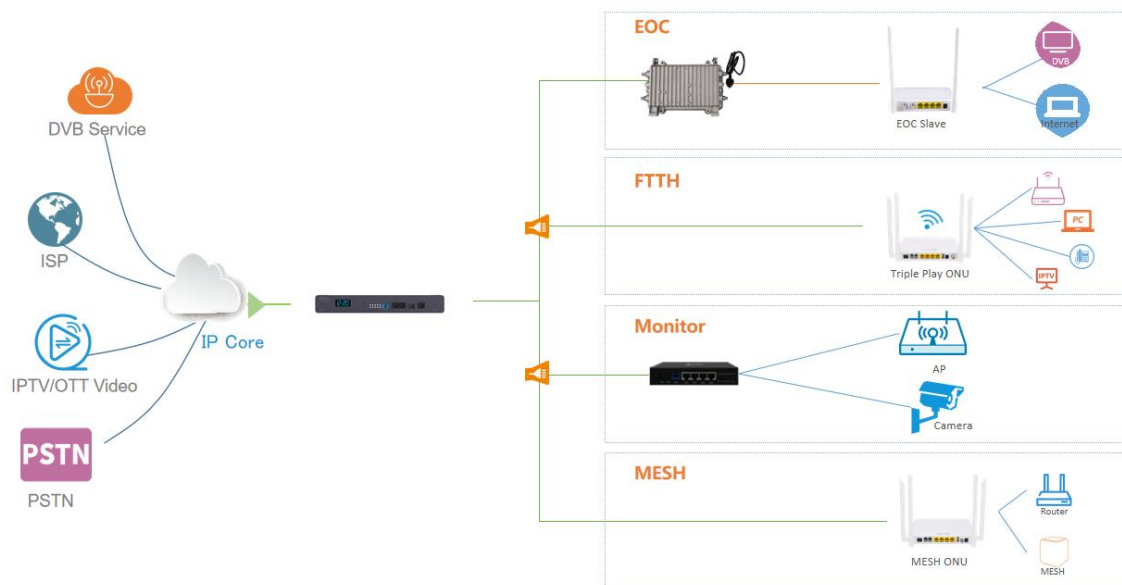


Figure: Application Diagram

Ordering information



Product Name	Product Model	Descriptions
OLT	SPO-GS1210-1A	Standalone 1 PON Port GPON OLT, with 2 uplink Ethernet ports and 1 optional port (XGPON/10 Gigabit uplink port) AC 100V ~ 240V
OLT	SPO-GS1210-1D	Standalone 1 PON Port GPON OLT, with 2 uplink Ethernet ports and 1 optional port (XGPON/10 Gigabit uplink port) External adapter mode 12V/2A

Note: If you need more customized services, please contact us.

E-mail: info@sopto.com.cn

Web : <http://www.sopto.com.cn>