

# SPO-ES8808

## 1U 8PON EPON OLT



### Overview

SPO-ES8808 series products is 1U high 19 inch rack mount product. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to deploy in a compact room environment. The OLT can use for “Triple-Play”, CPN, IP Camera, Enterprise LAN and IOT applications. It is a high performance products.

SPO-ES8808 provides 8GE (copper)and 8SFP slots Combo interface for uplink, and 8 EPON ports for downstream. It can support 512 ONU under 1:64 splitter ratio.

### Specification

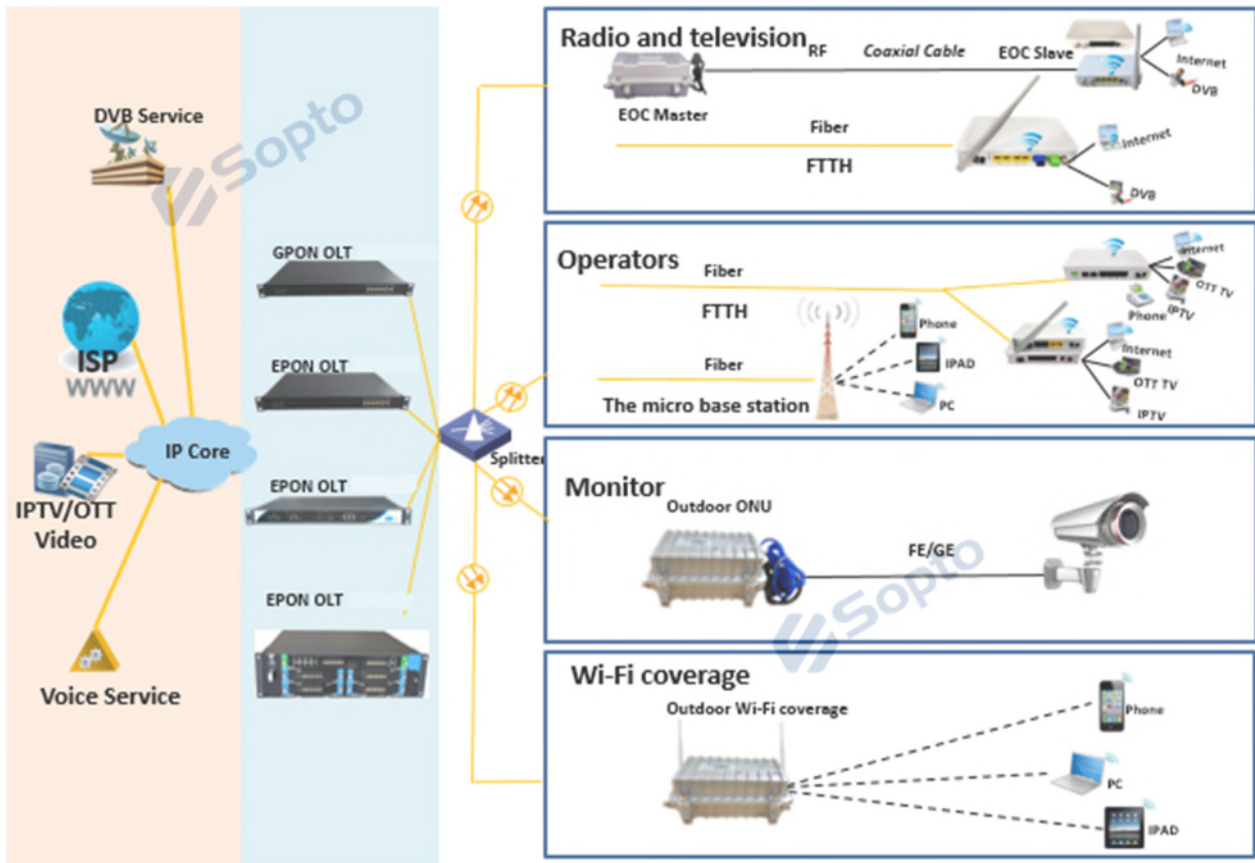
Item		SPO-ES8808
Chassis	Rack	1U 19 inch standard box
	Slots	NA
Uplink Port	QTY	8
	Copper	10/100/1000M auto-negotiable,RJ45:8pcs
	SFP	8 SFP slots (Combo)
PON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*100BASE—TX outband port

		1 CONSOLE port
PON Port Specification	Transmission Distance	20KM
	PON port speed	Symmetrical 1.25Gbps
	Wavelength	1490nm TX,1310nm RX
	Connector	SC/PC
	Fiber Type	9/125μm SMF
	TX Power	+2~+7dBm
	Rx Sensitivity	-27dBm
	Saturation Optical Power	-6dBm
Management Mode		SNMP, Telnet, CLI management mode.
Management Function		<p>Fan Group Detecting</p> <p>Port Status monitoring and configuration management;</p> <p>Layer-2 switch configuration such as Vlan, Trunk ,RSTP,IGMP ,QOS, etc;</p> <p>EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc;</p> <p>Online ONU configuration and management</p> <p>User management</p> <p>Alarm management</p>
Layer-two Switch		<p>Support port Vlan and protocol Vlan</p> <p>Support Vlan tag/Untag ,vlan transparent transmission;</p> <p>Support 4096 VLAN</p> <p>Support 802.3dd trunk</p> <p>RSTP</p> <p>QOS based on port ,VID,TOS and MAC address</p> <p>IGMP Snooping</p> <p>802.x flow control</p> <p>Port stability statistic and monitoring</p>

<p>EPON Function</p>	<p>Support port-based rate limitation and bandwidth control;                  In compliant with IEEE802.3ah Standard                  Up to 20KM transmission Distance                  Support data encryption, group broadcasting, port Vlan separation ,RSTP,etc.                  Support Dynamic Bandwidth Allocation (DBA)                  Support ONU auto-discovery/Link detection/remote upgrade of software;                  Support VLAN division and user separation to avoid broadcast storm;                  Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels.                  Support power-off alarm function ,easy for link problem detection                  Support broadcasting storm resistance function                  Support port isolation between different ports                  Support ACL and SNMP to configure data packet filter flexibly                  Specialized design for system breakdown prevention to maintain stable system                  Support dynamic distance calculation on EMS online                  Support RSTP,IGMP Proxy</p>
<p>Dimension</p>	<p>440*280*44(mm*mm*mm )</p>
<p>Weight</p>	<p>4.5kg</p>
<p>Power Supply</p>	<p>220VAC AC: 90V~240V, 47/63Hz</p>
	<p>-48DC DC:-36V~-72V</p>
<p>Power Consumption</p>	<p>45W</p>
<p>Operating Environment</p>	<p>Working Temperature 0~50°C</p>
	<p>Storage -40~85°C</p>

	Temperature	
	Relative Humidity	5~90%(non-condensing)

## Network Application



## Ordering information

Product	Model	Qty	Unit	Configuration	Notes
1U EPON OLT	SPO-ES8808	1	Set	1U EPON OLT , 8PON ports, 8 GE uplink optic ports(SFP), 8 GE uplink electric ports, 220VAC or -48VDC plug-in power modules, supports dual power configuration	without SFP modules
Uplink SFP	SPT-P131G-L20D	1~8	PC	Optional; A demonstration configuration is 20KM dual fiber . Optical Transceiver 1.25G SFP 1310nm SM 20KM DDM	When select the optical ports as uplink, it

					would be taken into consideration.
OLT PON SFP	SPT-ET4311-SE 2AD	1~8	PC	Optical Transceiver EPON OLT SFP 1490nm(Tx)/1310nm(Rx),1244M(Tx)/1244M(Rx),SC,SM, PX20+ DDM	The recommended configuration is 8pcs; at least 1pc ;8 pcs at most. PX20+:
	SPT-ET4311-SE 2CD	-	PC	Optical Transceiver EPON OLT SFP 1490nm(Tx)/1310nm(Rx),1244M(Tx)/1244M(Rx),SC,SM, PX20++ DDM	PX20++

E-mail: [sales@sopto.com](mailto:sales@sopto.com)

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