

# Network Switches

## FEATURES

### Port Features

8 PON ports EPON OLT

Support 512 ONU under 1:64 splitter ratio

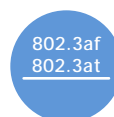
8, uplink GE optical SFP ports

8 uplink GE RJ45 copper ports

Double power supply 220VAC

"Triple-Play", CPN, IP Camera, Enterprise LAN and IOT applications.

FO-OLT-512EPM



Support  
IEEE802.3af/3at  
(30W each port)



Auto-Negotiation



Auto detect  
MDI/MDIX



Half-duplex &  
Full-duplex Mode



150m Transmission  
distance



Fast Ethernet  
Switch  
(10/100Mbps)



PAP Switch (Plug  
and Play)

## TECHNICAL SPECIFICATION

	FO-OLT-512EPM
Model No.	FO-OLT-512EPM
Uplink Port	Copper 8 port 10/100/1000M auto-negotiable, RJ45 8 SFP slots (combo)
PON Port	8 ports SFP Slots SC 1000BASE-PX20+ Max splitting ratio 1:64
Management Ports	1*100BASE - TX out band port 1CONSOLE 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+2.5- +7dBm Rx Sensitivity -27dBm Saturation Optical Power -6dBm
10Gb SFP+ Port Specification	Transmission Distance 10KM PON port speed 8.5-10.51875Gbps Wavelength 1310nmTX, 1310nmRX Connector LC Fiber Type Single mode with dual fiber TX Power -8.2~+0.5 dBm Rx Sensitivity -12.6dBm
Management Mode	SNMP, Telnet, CLI management mode
Management Function	Fan Group Detecting Port Status monitoring and configuration management; Layer-2 switch configuration such as Vlan, Trunk , RSTP,IGMP ,QOS ,etc; EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc; Online ONU configuration and management User management Alarm management

## ■ TECHNICAL SPECIFICATION

<b>Model No.</b>	<b>FO-OLT-512EPM</b>
<b>Layer-two Switch</b>	<ul style="list-style-type: none"> <li>Support port Vlan and protocol Vlan</li> <li>Support Vlan tag/Untag ,vlan transparent transmission;               <ul style="list-style-type: none"> <li>Support 4096 VLAN</li> <li>Support 802.3dd trunk</li> <li>Support RSTP</li> </ul> </li> <li>Support QOS based on port ,VID,TOS and MAC address               <ul style="list-style-type: none"> <li>Support IGMP Snooping</li> <li>Support 802.x flow control</li> </ul> </li> <li>Support Port stability statistic and monitoring</li> </ul>
<b>EPON Function</b>	<ul style="list-style-type: none"> <li>Support port-based rate limitation and bandwidth control;               <ul style="list-style-type: none"> <li>In compliant with IEEE802.3ah Standard</li> <li>Up to 20KM transmission Distance</li> </ul> </li> <li>Support data encryption, group broadcasting, port Vlan separation, RSTP, etc.               <ul style="list-style-type: none"> <li>Support Dynamic Bandwidth Allocation (DBA)</li> </ul> </li> <li>Support ONU auto-discovery/Link detection/remote upgrade of software;               <ul style="list-style-type: none"> <li>Support VLAN division and user separation to avoid broadcast storm;</li> </ul> </li> <li>Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels.</li> <li>Support power-off alarm function ,easy for link problem detection               <ul style="list-style-type: none"> <li>Support broadcasting storm resistance function</li> <li>Support port isolation between different ports</li> </ul> </li> <li>Support ACL and SNMP to configure data packet filter flexibly</li> <li>Specialized design for system breakdown prevention to maintain stable system               <ul style="list-style-type: none"> <li>Support dynamic distance calculation on EMS online</li> <li>Support RSTP,IGMP Proxy</li> </ul> </li> </ul>
<b>Dimension</b>	440*280*44(mm*mm*mm)
<b>Weight</b>	4.5kg
<b>Power Supply</b>	220VAC : AC: 90V-240V, 47/63Hz
<b>Power Consumption</b>	45W
<b>Operating Environment</b>	<ul style="list-style-type: none"> <li>Working Temperature 050°C</li> <li>Storage Temperature -40- 85 °C</li> <li>Relative Humidity 5 - 90%(non-condensing)</li> </ul>