



## Standalone EPON OP-ETB04



OPTOSTAR OP-ETB04 4PON OLT is the EPON OLT optical line terminal equipment. It can support 4EPON PON ports and connect 256 ONU at most (by 1:64 splitter), and provides 4 uplink GE optic SFP slots and 4 uplink GE RJ45 port

### Features

#### **High Stability with low cost and flexible networking construction**

- Four fixed PON slots with 1:64 splitting ratio at most
- OP-ETB04 could support 256 ONU maximally
- Maximum Transmission distance:20km (1:32 splitting ratio)

#### **Comprehensive Network Management**

- In band and out band management;
- Support Telnet and local command lines management;
- EMS management based on standard SNMP protocol;

- Support online upgrading.

**Powerful QOS Function**

- Realize stable and efficient dynamic bandwidth allocation (DBA)

**Various OAM Function**

- ONU auto-detection and registration;
- Support LGMP and Snooping function;
- Support port flow control and flow shaping.

**Specification**

Item	Parameter	Specification
<b>Ports</b>	Uplink Port	QTY: 8  Physical interface:  10/100/1000M auto-negotiable,RJ45:4pcs;  GE SFP ,1000BASE-LX :4pcs
	PON Port	QTY: 4  Physical Interface:SFP Slots  Connector Type: 1000BASE-PX20+  Max splitting ratio: 1:64
	Management Port	1*10BASE-T out-band management port  1*Console management port
	OLT PON SFP	Transmission Distance: 20KM  PON port speed: symmetrical 1.25Gbps  Waves: 1490nm TX,1310nm RX  TX Optical power: +2.5~+7dBm  RX Sensitivity: -28dBm

	Management Mode	<p>SNMP, Telnet, CLI</p> <p>Support EMS centralized management based on C-Data development interface independently.</p>
	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>
<b>Management</b>	Management Function	<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>
<b>Functionality</b>	EPON Function	<p>Support port-based rate limitation and bandwidth control;</p> <p>In compliant with IEEE802.3ah Standard</p>

		<p>Up to 20KM transmission Distance</p> <p>Support data encryption, group broadcasting, port Vlanseparation ,RSTP,etc.</p> <p>Support Dynamic Bandwidth Allocation (DBA)</p> <p>Support ONU auto-discovery/Link detection/remote upgrade of software;</p> <p>Support VLAN division and user separation to avoid broadcast storm;</p> <p>Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels.</p> <p>Support power-off alarm function ,easy for link problem detection</p> <p>Support broadcasting storm resistance function</p> <p>Support port isolation between different ports</p> <p>Support ACL and SNMP to configure data packet filter flexibly</p> <p>Specialized design for system breakdown prevention to maintain stable system</p> <p>Support dynamic distance calculation on EMS online</p> <p>Support RSTP,IGMP Proxy</p>
<p><b>Physical</b></p> <p><b>Features</b></p>	<p>Dimension</p>	<p>440mmX208mmX44mm (LxWxH)</p>
	<p>Weight</p>	<p>GW: 4kg</p> <p>NW: 3KG</p>
	<p>Power Supply</p>	<p>90~264VAC</p>

Consumption	16W
Operating Environment	Working Temperature: 0~50℃ Storage Temperature: -40~85℃ Relative Humidity: 5~90%(non-condensing)

### Application Topology

