



Standalone EPON OP-ETB02



OPTOSTAR OP-ETB02 2PON OLT is the EPON OLT optical line terminal equipment. It can support 2 EPON PON ports and connect 128 ONU at most (by 1:64 splitter), and provides 2 uplink GE optic SFP slots and 2 uplink copper SFP slots.

Features

High Stability with low cost and flexible networking construction

- Two fixed PON slots with 1:64 splitting ratio at most
- OP-ETB02 could support 128 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
Ports	Uplink Port	QTY: 4 Physical interface: 10/100/1000M auto-negotiable,RJ45:2pcs; GE SFP ,1000BASE-LX :2pcs
	PON Port	QTY: 2 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>
Management	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>
	EPON Function	<p>Support port-based rate limitation and bandwidth control;</p> <p>In compliant with IEEE802.3ah Standard</p>
Functionality		

		<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>Physical</p> <p>Features</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

