

## Model-ED-507 (8 PON OLT)



ED-507 can support 8 EPON PON GE ports and connect 512pcs ONU at most (by 1:64 splitting ratio), and provides 8 uplink GE electric slots and 8 uplink copper SFP slots.

It built-in powerful switch modules, supporting full-duplex forwarding, powerful layer-2 protocols. Built-in management modules, supporting various types of management mode, such as out-band, in-band, CLI , SNMP WEB and EMS based on software interface.

Terminal equipments based on 1U 19 inch standard chassic.They are compact in volume,flexible and easy to deploy with high performance. The features make 1U OLT products suit to work in the compact operating room which has requirement for performance and volume of device.

### Product Specification

ITEM		FEATURES
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	16
	Copper	10/100/1000M auto-negotiable,RJ45:8pcs
	SFP	8SFP slots(Combo)
Olt	Mac address capacity	6k

	RAM	128MB
PON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*100BASE-TX outband port 1CONSOLE port
PON Port Specification (Apply to EURO PON module)	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
SaturationOptical Power		-6dBm
Management Mode		SNMP, Telnet, CLI management mode, WEB management
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
Layer-two Switch		Support port Vlan and protocol Vlan Support Vlan tag/ Untag ,vlan transparent transmission; Support 4096 VLAN Support 802.3dd trunk RSTP QOS based on port ,VID,TOS and MAC address IGMP Snooping 802.3x flow control Port stability statistic and monitoring
EPON Function		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
Dimension		440*280*44(mm*mm*mm)

# EURO DIGITAL<sup>®</sup>

*Connecting the World.....*

Weight		4.5kg
Power Supply	220VAC	AC: 90V~240V,47/63Hz
	-48DC	DC:-36V~-72V
Power Consumption		45W
Operating Environment	Working Temperature	0~50°C
	Storage Temperature	-40~85°C
	Relative Humidity	5~90%(non-condensing)