

Model- ED-506-R (WEB BASED) 4 PON OLT



ED-506 –R series are 4 PON OLT product with web based management (for internet purpose only).

It is small, convenient, appropriate to deploy in an compact room environment .

Product features

- 19 inches standard width , 1U height
- EPON ports x 4 GB business uplink ports x 8 (4 optical, 4 electrical) , Console port x 1 , Out- of-band management network port
- Allows 256 ONUs connection simultaneously.
- Support <20ms ring protection.
- Fulfills the standard IEEE 802.3 ah protocol's requirements' V2.0,V2.1 and V3.0 standard
- Support ONU up-down line alarming, ring network alarming and port status change alarming.
- Support ONU data exchange at the same PON port.
- Support inter-PON-port physical isolation, pore one-to-one transmission and port-isolated group partition.
- Support IEEE 802.1q VLAN , QinQ configuration.
- Support mutil-cast management (IGMP-Snooping/Proxy) .
- Support uplink port aggregation.
- Support port mirroring.
- Support RSTP (RSTP) .
- Support access control.
- Support traffic storm control.
- Support ONU certification.

- Support serial-port and TELNET , CLI management and joint NMS (in LINUX os) management and WEB management.
- Support remote system update ,ONU batch update ,system log management and customized change.

Product Specification

Power	Chassis	19", 1U
	Input power range	100V~240V AC
	Power consumption	36W
	Support switch or not	Support switch with circuit breaker
Environment	Temperature	-25~50°C(Long period)
	Humidity	5~95% (No condensation)
	Storage temperature	-40~85°C
	Storage humidity	5~95% (No condensation)
	Atmospheric pressure	86 ~106 kpa
	Particle size of dust	Diameter > 5μm, <3*10 ⁴ pcs/m ³
Out-of-band management port	Number of ports	1
	Connector	RJ-45
	Protocol	100BASE-TX/10BASE-T
	MDI/MDI-X	Auto
	Duplex	Full/Half Auto
Uplink port	Number of ports	Ethernet GE business port x 8
	Connector 1	RJ45 x 4
	Connector 2	SFP x 4
	Protocol	10/100/1000BASE-T(RJ45) 1000BASE-X (SFP)
	MDI/MDI-X	Auto or Manual
	Duplex	Full Duplex or Auto
Reset	RST Hardware reset for whole system	Hardware reset for whole system
Switching	Backplane bandwidth	48Gbps

features	Maximum MAC addressing table entry	16K	
	VLAN maximum number	4K	
	Maximum ACL entry number	32	
	Main optical fiber protecting port	Randomly specify GE1-GE8	
	Connector	Connector SFP plug , SC socket	
	Port number	4 optical 4 electrical	
	Maximum multicast group number	1024	
PON Port	Protocol	1000BASE-PX20 IEEE802.3-2005	
	DDM with RSSI	Compliant with CTC2.0, CTC2.1, CTC3.0	
	Emission wavelength	1480~1500nm	
	Lighting power	+2.0~+7dBm	
	RMS	≤ 0.44nm	
	Extinction ratio	≥9dB	
	Receiving wavelength (@BER<1×10 ⁻¹²)	1260~1360nm	
	Receiving optical power (@BER<1×10 ⁻¹²)	-28~-6dBm	