1U 4PON Port JD-AE34 EPON OLT

JD-AE34 OLT series products is 1U high 19 inch rack mount product. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to deploy in an compact room environment.

The OLT can use for "Triple-Play", CPN, IP Camera, Enterprise LAN and IOT applications. It is a high performance products.

JD-AE34 provides 1 USB interface, 4GE(copper) and 4GE optical interface, 2*10Gb uplink interface, and 4 EPON ports for downstream. It can support 256 ONUs under 1:64 splitter ratio.

Specifications

Item		JD-AE34
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	10
	Copper	10/100/1000M auto-negotiable,RJ45:4pcs
	Optical interface	4 GE
	10Gb uplink interface	2*10Gb
PON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
USB Port	QTY	1
	Connector Type	Type-C
Management Ports		1*100BASE－TX outband port; 1 CONSOLE port
PON Port	Transmission Distance	20KM

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Specification（Apply to JRS Digital PON module）	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（Apply to JRS Digital 10Gb module）	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
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.x 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
Layer-three Route		Support static unicast
		Support static multicast
		Support RIP routing protocol
		Support dynamic multicast protocol with active source
Backplane Bandwidth		64G
Dimension		440*350*44(mm*mm*mm）
Weight		6kg
Power Supply	220VAC	AC: 90V～240V，47/63Hz
	-48DC	DC:-36V～-72V
Power Consumption		50W
Operating Environment	Working Temperature	0～50℃
	Storage Temperature	-40～85℃
	Relative Humidity	5～90%(non-condensing)