

## 1U 4PON Port JD-AE24 EPON OLT



JD-AE24 provides 4GE(copper)and 4SFP slots Combo interface for uplink, and 4 EPON ports for downstream. It can support 256 ONU under 1:64 splitter ratio.

### Specifications

Item		JD-AE24
Chassis	Rack	1U 19 inch standard box
	Slots	NA
Uplink Port	QTY	8
	Copper	10/100/1000M auto-negotiable,RJ45:8pcs
	SFP	4 SFP slots (Combo)
PON Port	QTY	4
	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 JRS DigitalPON 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
	Saturation Optical Power	-6dBm
Management Mode		SNMP,Telnet,CLI management mode.
Management Function		<ul style="list-style-type: none"> <li>✚ Fan Group Detecting</li> <li>✚ Port Status monitoring and configuration management;</li> <li>✚ Layer-2 switch configuration such as Vlan, Trunk ,RSTP,IGMP ,QOS, etc;</li> <li>✚ EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc;</li> <li>✚ Online ONU configuration and management</li> <li>✚ User management</li> <li>✚ Alarm management</li> </ul>
Layer-two Switch		<ul style="list-style-type: none"> <li>✚ Support port Vlan and protocol Vlan</li> <li>✚ Support Vlan tag/Untag ,vlan transparent transmission;</li> <li>✚ Support 4096 VLAN</li> <li>✚ Support 802.3dd trunk</li> <li>✚ RSTP</li> <li>✚ QOS based on port ,VID,TOS and MAC address</li> <li>✚ IGMP Snooping</li> <li>✚ 802.x flow control</li> <li>✚ Port stability statistic and monitoring</li> </ul>
EPON Function		<ul style="list-style-type: none"> <li>✚ Support port-based rate limitation and bandwidth control;</li> <li>✚ In compliant with IEEE802.3ah Standard</li> <li>✚ Up to 20KM transmission Distance</li> <li>✚ Support data encryption, group broadcasting, port Vlanseparation ,RSTP,etc.</li> <li>✚ Support Dynamic Bandwidth Allocation (DBA)</li> <li>✚ Support ONU auto-discovery/Link detection/remote upgrade of software;</li> </ul>

		<ul style="list-style-type: none"> <li>✚ Support VLAN division and user separation to avoid broadcast storm;</li> <li>✚ Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels.</li> <li>✚ Support power-off alarm function ,easy for link problem detection</li> <li>✚ Support broadcasting storm resistance function</li> <li>✚ Support port isolation between different ports</li> <li>✚ Support ACL and SNMP to configure data packet filter flexibly</li> <li>✚ Specialized design for system breakdown prevention to maintain stable system</li> <li>✚ Support dynamic distance calculation on EMS online</li> <li>✚ Support RSTP,IGMP Proxy</li> </ul>
Backplane Bandwidth		16G
Dimension		440*280*44(mm*mm*mm )
Weight		4.2kg
Power Supply	220VAC	AC: 90V~240V, 47/63Hz
	-48DC	DC:-36V~-72V
Power Consumption		30W
Operating Environment	Working Temperature	0~50°C
	Storage Temperature	-40~85°C
	Relative Humidity	5~90%(non-condensing)