

REVOTIK RV818 (8 PORT GPON OLT)

Revotik RV818 EPON OLT products is 1U height 19 inch rack mount product. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLTs can be used for “Triple-Play”, VPN, IP Camera, Enterprise LAN and ICT applications. Revo 818 provides 8GE (copper) and 8SFP (2 SFP+) slots independent interface for uplink, and 8*GPON OLT ports for downstream. It can support 1024 ONTs under 1:128 splitter ratio.



TECHNICAL PARAMETERS

ITEM		Revotik RV818
CHASSIS	RACK	1U 19 inch standard box
1000M UPLINK PORT	QTY	16
	COPPER	8*10/100/1000M auto-negotiation
	SFP (INDEPENDENT)	6*SFP and 2SFP+ slots (SFP+ is 10GE port)
EPON PORT	QTY	8
	PHYSICAL INTERFACE	SFP Slots
	CONNECTOR TYPE	Class B+/C+
	MAX SPLITTING RATIO	1:128
MANAGEMENT PORTS		1*10/100 BASE-T out-band port, 1*CONSOLE port
PON PORT SPECIFICATION	TRANSMISSION DISTANCE	20KM
	EPON PORT SPEED	Upstream 1.244G, Downstream 2.488G
	WAVELENGTH	TX 1490nm, RX 1310nm
	CONNECTOR	SC/PC
	FIBER TYPE	9/125μm SMF
	TX POWER	+1~+5dBm
	RX SENSITIVITY	-28dBm
	SATURATION OPTICAL POWER	-8dBm
MANAGEMENT MODE		SNMP, Telnet, CLI, WEB

MANAGEMENT FUNCTION	⑩ Fan Group Detecting; ⑩ Port Status monitoring and configuration management; ⑩ Layer2 switch configuration such as VLAN, Trunk,RSTP,IGMP,QOS, etc; ⑩ EPON management function: DBA,ONU authorization, ACL,QOS,etc; ⑩ Online ONU configuration and management; ⑩ User management; ⑩ Alarm management.
LAYER 2 SWITCH	⑩ 16K Mac address; ⑩ Support port VLAN and protocol VLAN; ⑩ Support 4096 VLANs; ⑩ Support VLAN tag/Un-tag ,VLAN transparent transmission, QinQ; ⑩ Support storm control based on port; ⑩ Support port isolation; ⑩ Support port rate limitation; ⑩ Support 802.1D and 802.1W; ⑩ Support static LACP. ⑩ QOS based on port, VID, TOS and MAC address. ⑩ Access control list. ⑩ IEEE802.x flow control. ⑩ Port stability statistic and monitoring.
MULTICAST	⑩ IGMP snooping; ⑩ 256 IP Multicast
DHCP	⑩ DHCP server; ⑩ DHCP relay; ⑩ DHCP snooping;
LAYER 3 ROUTE	⑩ Arp proxy; ⑩ Static route; ⑩ 512 hardware Subnet Routes; ⑩ 1024 hardware Host Routes;

EPON FUNCTION		⑩ Tcont dba; ⑩ Gemport traffic; ⑩ In compliant with ITUT984.xstandard; ⑩ Up to 20KM transmission Distanced; ⑩ Support data encryption, multi-cast, port VLAN, separation,RSTP,etc; ⑩ Support ONU auto-discovery/link detection/remote upgrade of software; ⑩ Support VLAN division and user separation to avoid broadcast storm; ⑩ Support power-off alarm function,easy for link problem detection; ⑩ Support broadcasting storm resistance function; ⑩ Support port isolation between different ports; ⑩ Support ACL and SNMP to configure data packet filter flexibly; ⑩ Specialized design for system breakdown prevention to maintain stable system; ⑩ Support dynamic distance calculation on EMS online; ⑩ Support RSTP,IGMP Proxy.
DIMENSION(L*W*H)		442mm*200mm*43.6mm
WEIGHT		3.1kg
POWER SUPPLY	220VAC	AC:90~264V, 47/63Hz Double Power Module / Hot Backup
POWER CONSUMPTION		25W
OPERATING ENVIRONMENT	WORKING TEMPERATURE	-10~+55°C
	STORAGE TEMPERATURE	-40~+85°C
	RELATIVE HUMIDITY	5~90% (non-conditioning)