

REVOTIK 4 PORT GPON OLT ROUTER

Revotik RV814 GPON 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. Revotik RV814 provides 4GE (copper) and 2SFP+ slots independent interface for uplink, and 4*GPON OLT ports for downstream. It can support 512 ONTs under 1:128 splitter ratio.



TECHNICAL PARAMETERS

MODEL		REVOTIK-RV814
CHASSIS	RACK	1U 19 inch standard box
1000M UPLINK PORT	QTY	8
	COPPER	4*10/100/1000M auto-negotiation
	SFP (INDEPENDENT)	2*SFP+ slots
EPON PORT	QTY	4
	PHYSICAL INTERFACE	SFP Slots
	CONNECTOR TYPE	Class B+/C+/C++
	MAX SPLITTING RATIO	1:128
MANAGEMENT PORTS		1*10/100BASE-T out-band port, 1*CONSOLE port
PON PORT SPECIFICATION	TRANSMISSION DISTANCE	20KM
	EPON PORT SPEED	Symmetrical 1.25Gbps
	WAVELENGTH	TX 1490nm, RX 1310nm
	CONNECTOR	SC/PC
	FIBER TYPE	9/125µm SMF
	TX POWER	+2~+7dBm
	RX SENSITIVITY	-27dBm
	SATURATION OPTICAL POWER	-6dBm
MANAGEMENT MODE		SNMP, Telnet and CLI

<p>MANAGEMENT FUNCTION</p>	<ul style="list-style-type: none"> 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.
<p>LAYER 2 SWITCH</p>	<ul style="list-style-type: none"> ⑩ Support port VLAN and protocol VLAN; ⑩ Support 4096 VLANs; ⑩ Support VLAN tag/Un-tag ,VLAN transparent transmission, QinQ; ⑩ Support IEEE802.3d trunk; ⑩ Support RSTP; ⑩ QOS based on port,VID,TOS and MAC address; ⑩ IGMP Snooping; ⑩ IEEE802.x flow control; ⑩ Port stability statistic and monitoring.
<p>LAYER 3 ROUTE</p>	<ul style="list-style-type: none"> ⑩ 1024 Host Routes; ⑩ 512 Subnet Routes; ⑩ 256 IP Multicast
<p>EPON FUNCTION</p>	<ul style="list-style-type: none"> ⑩ Support port-based rate limitation and bandwidth control; ⑩ In compliant with IEEE802.3ah standard; ⑩ Up to 20KM transmission Distance; ⑩ Support data encryption, multi-cast, port VLAN, separation, RSTP, etc; ⑩ Support Dynamic Bandwidth Allocation (DBA); ⑩ Support ONU auto-discovery/link detection/remote upgrade of software; ⑩ Support VLAN division and user separation to avoid broadcast storm; ⑩ Support various LLID configuration and single LLID configuration; ⑩ Different user and different service could provide different QoS by means of different LLID channels; 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
POWER CONSUMPTION		45W
OPERATING ENVIRONMENT	WORKING TEMPERATURE	-10~+55°C
	STORAGE TEMPERATURE	-40~+85°C
	RELATIVE HUMIDITY	5~90% (non-conditioning)