

REVOTIK 8 PORT GPON OLT

PRODUCT OVERVIEW

RV818B
High Performance Pizza-box EPON OLT

RV818B complies with ITU-T G.984/G.988 and meets requirements about GPON OLT in Network Access Technical Requirements. It fully supports CTC2.0, automatic discovery and cooperation with ONUs of different manufacturers.

RV818B supports the Asymmetric uplink 1.25Gbps/ downlink 2.5Gbps PON transmission rate, efficient bandwidth usage and Ethernet services, helping carriers to provide reliable services to their users. Its coupling ratio ups to 1:128, and its support of different hybrid ONU networks minimize the carrier's investment.

RV818B equipped with maximum 4 GE SFP ports, 4 GE combo ports and 4 10GE SFP+ ports.



TECHNICAL SPECIFICATIONS

Standards : · ITU-T G.984/G.988 · IEEE 802.11D, Spanning Tree · IEEE 802.1Q, VLAN · IEEE 802.1w, RSTP · IEEE 802.3ad physical link static/dynamic aggregation (LACP), Ethernet—II

Multicast : · L2 multicast · IGMP snooping · MLD snooping · Fast-leave

DHCP Function : · Server/Relay/Client · DHCP snooping · DHCP option 66,67,82 · DAI · IP source guard

VLAN : · Port/IP/Protocol/MAC-based VLAN · 4K VLAN · QinQ and flexible QinQ

QoS : · Backpressure flow control (half duplex) · IEEE 802.3x flow control (full duplex) · IEEE 802.1p, CoS · WRR, SP and FIFO queue schedule · Limiting the uplink/downlink rate based on each ONU · DBA and SLA

Reliability : · Unidirectional Link Detection (UDLD) · Hot swap of the GPON optical module · Optical path protection of GPON (type B/C, hand-in-hand) · Abnormal luminescence ONU detection such as long luminescence · IEEE 802.3ad LACP

Network Security : · L2~4 ACL · Flow-based ACL · MAC limitation · MAC sticky · Port isolation · Packet storm control · Transmission data encryption on the PON interface · Anti attack for DDOS, TCP- SYN-flood,

Management : · Various management modes such as CLI, Telnet, SSH, HTTP, SSL and SNMP · ISSU · FTP/TFTP · SPAN/RSPAN · NTP

Network Availability : · STP/RSTP/MSTP · BPDU guard · EAPS

Layer 3 Function : · Static route · RIPv1/v2 · OSPF · BGP

SYSTEM PERFORMANCE

Item Model	RV818B
PON ports	8
GE uplink	4 100/1000M SFP + 4 GE SFP/TX
Supported PON SFP module	Class B+, Class C+, Class C++
RJ45 console	1
Mini-USB console	1
Out-of-Band	1
DRAM (MB)	1024
Flash (MB)	32
Backplane (Gbps)	176
MAC table	40K
Buffer size (MB)	512
Jumbo frame (KB)	2
Active VLAN	4094
Total SVI	512
Forwarding mode	Store-and-forward
IPv4 routing table	32K
IPv6 routing table	8K

PHYSICAL CHARACTERISTICS

AC (V)	90 ~ 264
Power slots	1 (fixed, optional for 2)
Max. consumption (W)	60
Total output BTU (note: 1000 BTU/hr = 293W)	204.8
Fan number	3
Air-flow	Left-right
Noise@25°C(dBA)	< 45
Dimensions (WxDxH mm)	442.5 x 304 x 44
Weight (Kg)(empty)	5.5
Temperature	0~50°C
Humidity (non-condensing)	10%~85%
Parts	Power cord, rackmount kits, console cable