

REVOTIK 4 PORT GEAPON OLT

PRODUCT OVERVIEW

RV614B

High Performance Pizza-box EPON OLT

RV614B complies with IEEE 802.3 ah and P.R.C intercommunication standard, YD/ T 1475-2006, supports CTC2.1/3.0 standard, automatically discovers and cooperates with ONUs of different manufacturers. It can be used for establishing efficient EPON solution.

RV614B supports the symmetric uplink/downlink 1.25Gbps PON transmission rate, efficient bandwidth usage and Ethernet services, helping carriers to provide reliable services to their users. Its coupling ratio up to 1:64, and its support of different hybrid ONU networks minimizes the carrier's investment.

RV614B Series can support four EPON systems simultaneously, up to 256 ONUs and the 1/64 coupling ratio.

RV614B Series supports the IGMP multicast and the multicast VLAN.

RV614B Series is of a 1U height and low power consumption.

RV614B supports the link automatic switching when trouble occurs in the optical fiber.

RV614B is highly reliable and supports the dual power supply.

RV614B Series has rich OAM functions including configuration, alarm, performance monitoring, fault isolation, security management and CLI/ GUI management.



TECHNICAL SPECIFICATIONS

Standards: IEEE802.3ah · YD-T 1475-2006 access network requires EPON basis · YD-T 1771-2008 access network requires EPON intercommunication · Ethernet – II

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

DHCP Function: · Client · DHCP snooping · DHCP option 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 EPON optical module · Optical path protection of EPON (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, UDP-flood, ARP- flood, etc.

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

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

SYSTEM PERFORMANCE

Item Model	RV614B
PON ports	4
GE uplink	2 GE TX + 2 GE SFP + 2 GE SFP/TX combo ports
Supported PON SFP module	PX20, PX20+, PX20++, PX20+++
RJ45 console	1
Mini-USB console	1
Out-of-Band	1
DRAM (MB)	128
Flash (MB)	32
Backplane (Gbps)	20
MAC table	8K
Buffer size (MB)	512
Jumbo frame (KB)	2
Active VLAN	4094
Total SVI	1
Forwarding mode	Store-and-forward

PHYSICAL CHARACTERISTICS

AC (V)	90 ~ 264
Power slots	1 (fixed, optional for 2)
Max. consumption (W)	40
Total output BTU (note: 1000 BTU/hr = 293W)	136.52
Fan number	2
Air-flow	Left-right
Noise@25°C(dBA)	< 45
Dimensions (WxDxH mm)	442 x315 x 44
Weight (Kg)(empty)	3.5
Temperature	0~45°C
Humidity (non-condensing)	10%~85%
Parts	Power cord, rackmount kits, console cable