

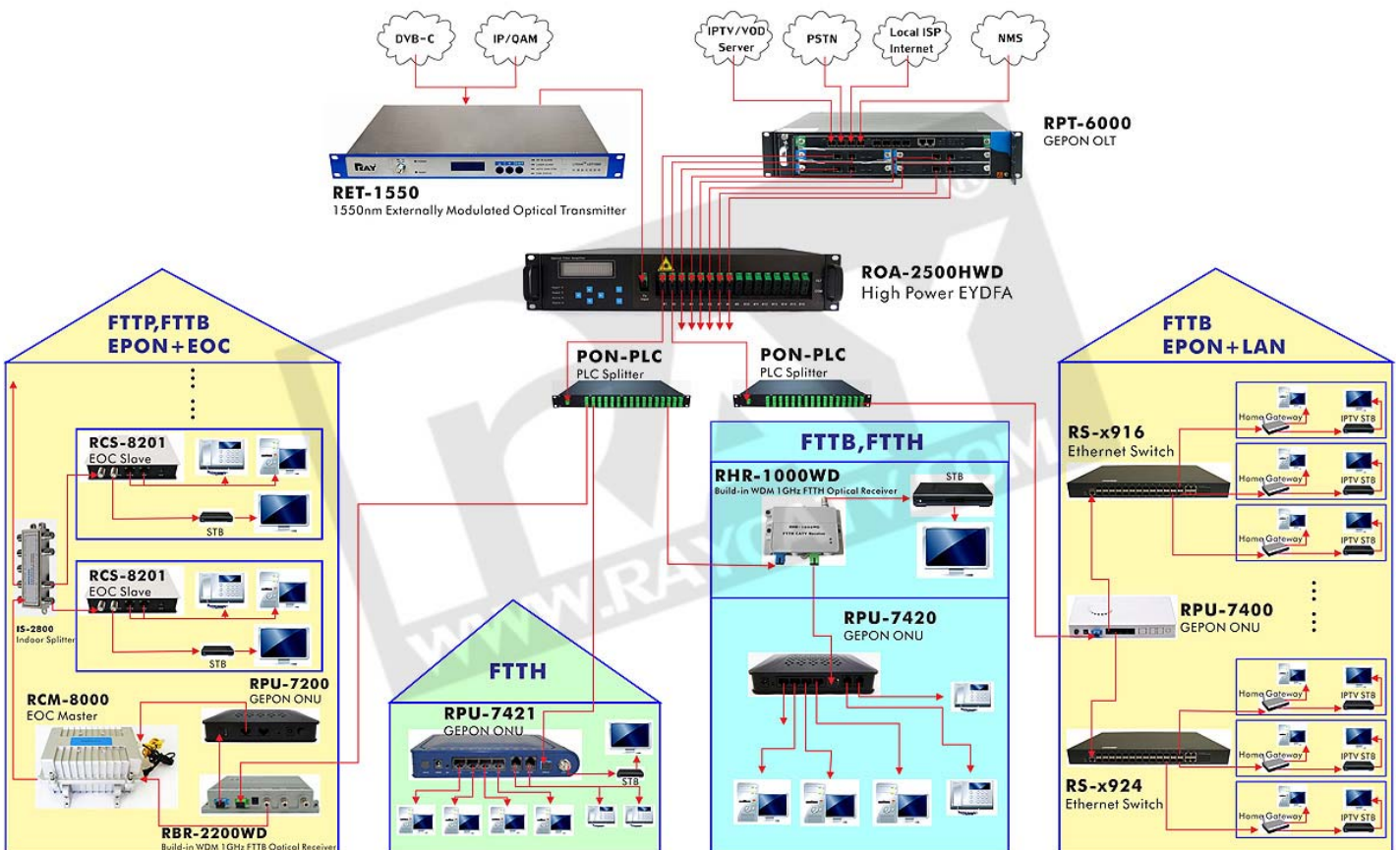
RPT-6000

EPON OLT



Application

Triple-Play Comprehensive Solutions



Features

1. Moderate density, flexible network

RET6000 EPON platform in 2U of the machine frame provides 8 PON port, where coverage 20KM provide 256 subscribers (1:32 split ratio of cases) ONU access can provide up to 512 subscribers (1:64 shunt than in cases) ONU access. RET6000 PON card chassis number can be flexibly configured according to business volume, up to four PON card can be configured.

2. High reliability chassis

RET6000 chassis used in advanced industrial design, all modules hot-swappable, supports online replacement. Modular design with redundant power supplies, modular redundant fan group configuration, removable dust filter, the system provides a reliable and stable electricity supply, good cooling, good dust filter, so the chassis can be relatively poor reliable working environment. Meanwhile, the chassis with a good shielding measures, greatly improves the system's EMC performance.

3. Layer 2 Trunk Switch

RET6000 switch board for the system provides a powerful layer wire-speed switching capability, complete layer protocol support. On the joint exchange board provides 8 uplink ports, through the port binding feature, the system can support up to 8G uplink bandwidth, the whole system provides non-blocking forwarding capacity. SFP slot on the uplink ports to provide users a way to choose the light, electricity access, allowing users to build the net more flexible.

4. QOS Guarantee

RET6000 in the OLT module hardware implementation of the DBA-based dynamic bandwidth allocation functionality, reliable and efficient characteristics. System supports multiple LLID per ONU configuration, in the downlink direction can be configured to dispatch queue multiple priority levels, from the fundamental guarantee for the high-priority business can be the best guarantee QOS.

OLT unit can provide users with flexible bandwidth allocation scheme to support the minimum guaranteed bandwidth, the maximum allowable bandwidth allocation. DBA can ensure that the case of congestion in the network link bandwidth of the minimum guarantee, the Remaining cases, the bandwidth allocation according to set the maximum allowable bandwidth allocation algorithm and the bandwidth allocation of the remaining.

5. Rich OAM features

RET6000 system support ONU automatic discovery, automatic registration, support for single link of the auto loop-back test function, support for port-based, protocol-based VLAN, support for IGMP Proxy, Snooping feature, port-based ACL packet filtering, packet classification functions, port-based traffic control, traffic shaping, etc. may be operating rich, manageability features.

6. Comprehensive network management capabilities

RET6000 EMS network management system based on C / S architecture, with complete network management capabilities. Support automatic network topology, topology changes manually, the system alarms and alarm log filter, preservation, operation log classification query, save the output, database backup, restore, real-time business performance monitoring, historical records check. Support of the board, ONU upgrade the software online.

Datasheet

Parameter		Unit	Index	
Chassis Parameter	Model		RET328P	
	Number Of Main Card Slot		1	
	Fan Module Slot Number		1	
	Height		2U	
	Depth	cm	41.9	
	Hot Swap		Support	
	Business Card Slot To Support The Number Of PON		4	
	Power Module Slot Number		2	
	The Number Of Filter Slots		1	
	Width	Inch	19	
	Weight	kg	15	
	Operating Temp.	°C	0~50	
Main Card Parameter	Model		RET328P-2	
	Function Description		Second floor of the exchange function and management control	
	Uplink Port		SFP	
	Local Management Interface(Console Port)		Function: command-line management for local Default Rate Interface: 9600bit/s	
	Indicator Light	SNI Port		LNK: light:LINK; Flash:A data transmission
		Power		Light:Corresponding power supply is working properly
		Fan		A,B,C,D: Light :Corresponding to the fan is working properly
	Use Of The Environment		Installed in the RET328P NMS slot chassis	
	The Number Of Uplink Port		8	
	Interface Type		10/100/1000BASE-T or 1000BASE-SX or 1000BASE-LX	
	Band Network Management Interface (Manage Port)		Interface Type: RJ45 Interface standards: 10BASE-T	
	Manage Port		LNK: Light:LINK ACT: Flash:A data transmission	
	Alarm		CRI, MAJ: Light:Generate alarm system	
	Protocol		Second floor of wire-speed switching MAC Address Capacity: 16K STPR Rapid Spanning Tree Link aggregation(TRUNK) Port VLAN QINQ Support to broadcast packets/multicast bag	
OLT Boards Parameter	Type		RET328P-1	
	PON Port Number		2	
	Dimension	mm	145 × 253 × 24	
	Weight	kg	1	
	Use Environment		RET328P 1~4 slots	
	Indicator Definition			LNK: on:One or More ONU online; Off:No ONU
				PWR: on:board supply; off:power unnormal
	PON Port Parameter		Interface type:SFP Interface standards1000BASE - PX20 Support for more than 4: the biggest pc-controlled, Most cases 20KM transmission distance support abode Port: symmetrical 1.25 Gbps rate Dynamic range: the ranging accuracy + / - 16ns 4k capacity: MAC address	
	Support Functions		Authentication (ONU support based on the MAC address), Support data encryption (encryption downward AES - 128) : DBA bandwidth allocation Support (IGMP existent IGMP v1 / v2) Support ACL	