

High-intensity Rack-mount OLT

Model: EPT3600 Series



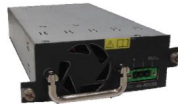
EPT3608/-2TE

EPT 3612/-2TE

EPT 3616/-2TE



AC Power Supply



DC Power Supply

Product Profile

EPT3600 complies with IEEE802.3ah and PRC Community Industry Standard (YD/T 1475-2006). It fully supports CTC standard, automatic detection and works harmoniously with ONUs made by different manufacturers. EPT3600 has 6 models: EPT3608, EPT3608-2TE, EPT 3612, EPT3612-2TE, EPT3616 and EPT3616-2TE.

EPT3600 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 ups to 1:64, and its support of different hybrid ONU networks minimize the carrier's investment.

EPT3600, based on the edge-cutting technologies, is strong in functions. A few of its functions such as QoS guarantee, SLA and DBA can be easily listed out.

Features

- ❖ **EPON:** Abiding by IEEE802.3ah, EPT3600 series meets relevant requirements of EPON OLT regulated in Technical Requirements of "YD/T 1475-2006 and China Telecom EPON Technical Requirements.
- ❖ **System capacity:** EPT3600 Series supports 8, 12, 16 EPON systems.
- ❖ **Uplink interface:** EPT3600 series with 8 GE uplink interfaces(4 GE optical ports + 4 GE combo ports). EPT36XX-2TE also supports 2-line 10G uplink interfaces.
- ❖ **Dimensions:** 1U, 300mm(Depth)
- ❖ **Environmental protection:** low power consumption and low operating cost.
- ❖ **Layer-3 Function:** support layer-3 routing function.
- ❖ **Preventing the bus optical fiber:** EPT3600 supports that the link can be automatically switched to protect the optical fiber when trouble occurs in the optical fiber.
- ❖ **Power characteristics:** support dual-AC, dual-DC and AC/DC power supply. The power supply supports modularized design, hot-swap and EMC-3 standard. It well adapts to the environment.

Technical Specifications

Attributes		EPT3608	EPT3612	EPT3616
System Capacity		Maximum coupling ratio: 1:64 backplane bandwidth: 128G MAC table capacity: 32K		
Interface	PON	8 EPON interfaces	12 EPON interfaces	16 EPON interfaces
	Uplink interface	8 GE ports (4 Gigabit optical ports, 4 Gigabit combo SFP/TX ports)		
		P36XX-2TE supports 2 10G interfaces		
Attributes of the PON Interface				
		A 1Gbps transmission rate with downlink and uplink symmetry Average emitting power of the PON port: +2dbm ~ +7dbm Light reception sensitivity of the PON port: no less than -30dBm Security: ONU authentication mechanism		
Standards				
		IEEE802.3ah IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad physical link static/dynamic aggregation (LACP) Ethernet – II		
QoS				
		Backpressure flow control (half duplex)		

	<p>IEEE 802.3x flow control (full duplex)</p> <p>IEEE 802.1p, CoS</p> <p>WR, SP and FIFO</p> <p>Limiting the uplink/downlink rate based on each ONU</p> <p>Support DBA and SLA</p>
VLAN	
	<p>Port-based VLAN</p> <p>Support QinQ and flexible QinQ</p>
Layer-3 functions	
	<p>support static routing, RIPv1/v2 and OSPF</p> <p>Host routing capacity: 8K</p>
Multicast	
	<p>IGMP</p> <p>IGMP Snooping</p>
Reliability	
	<p>Unidirectional Link Detection (UDLD)</p> <p>Hot swap of the EPON optical module on the expanded slot</p> <p>Optical path protection of EPON</p> <p>Abnormal luminescence ONU detection such as long luminescence</p>
Network Security	
	<p>Limiting the maximum number of users on each port</p> <p>Port isolation</p> <p>Packet storm control</p>

	<p>Flow-based ACL access control function</p> <p>Transmission data encryption on the PON interface</p>
Configuration Management	
	<p>Various management modes such as CLI, Web, SNMP and TELNET</p> <p>Conducting software upgrade through TFTP and FTP</p> <p>Command prompt in English or in Chinese</p> <p>Debug output</p>
Physical Characteristics	
	<p>Dimensions mm (W×D×H): 442 × 315 × 44</p>
	<p>Installation: standard 19-inch cabinet</p>
	<p>Weight: 2kg</p>
Environment	
	<p>Operating environment: 0°C-55°C; 10%-85% non-condensing</p>
	<p>Storage environment: -40°C-80°C; 5%-95% non-condensing</p>
Power Supply	
	<p>Input voltage: AC90~264V, DC -36 ~ -72V</p> <p>Support dual-power input, DC/AC power supply and hot-swap</p> <p>Support over-current protection and over-voltage protection</p>

Order information

EPT3608	OLT with 8 PON ports (1 console port, 1 out-band 10/100M port, 8 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply AC90-264V, expandable dual power supply, 19-inch rack-mounted installation)
EPT3608-DC	OLT with 8 PON ports (1 console port, 1 out-band 10/100M port, 8 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply -36~-72V, expandable dual power supply, 19-inch rack-mounted installation)
EPT3608-2TE-DC	OLT with 8 PON ports (1 console port, 1 out-band 10/100M port, 8 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply -36~-72V, expandable dual power supply, 19-inch rack-mounted installation; 2 10G SFP+ ports)
EPT3612	OLT with 12 PON ports (1 console port, 1 out-band 10/100M port, 12 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply AC90-264V, expandable dual power supply, 19-inch rack-mounted installation)
EPT3612-2TE	OLT with 12 PON ports (1 console port, 1 out-band 10/100M port, 12 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply AC90-264V, expandable dual power supply, 19-inch rack-mounted installation; 2 10G SFP+ ports
EPT3612-DC	OLT with 12 PON ports (1 console port, 1 out-band 10/100M port, 12 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply DC-36~-72V, expandable dual power supply,

	19-inch rack-mounted installation)
EPT3612-2TE-DC	OLT with 12 PON ports (1 console port, 1 out-band 10/100M port, 12 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply DC-36~-72V, expandable dual power supply, 19-inch rack-mounted installation; 2 10G SFP+ ports)
EPT3616	OLT with 16 PON ports (1 console port, 1 out-band 10/100M port, 16 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply AC90-264V, expandable dual power supply, 19-inch rack-mounted installation)
EPT3616-2TE	OLT with 16 PON ports (1 console port, 1 out-band 10/100M port, 16 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply AC90-264V, expandable dual power supply, 19-inch rack-mounted installation; 2 10G SFP+ ports
EPT3616-DC	OLT with 16 PON ports (1 console port, 1 out-band 10/100M port, 16 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply DC-36~-72V, expandable dual power supply, 19-inch rack-mounted installation)
EPT3616-2TE-DC	OLT with 16 PON ports (1 console port, 1 out-band 10/100M port, 16 fixed PON ports (excluding the OLT SFP optical module), 4 Gigabit combo ports, 4 Gigabit SFP ports, standard power supply DC-36~-72V, expandable dual power supply, 19-inch rack-mounted installation; 2 10G SFP+ ports)
PWR-150-AC	AC power supply of EPT3600 OLT (Input voltage: AC 90-264V, maximum power consumption: 150W, independent cooling fan)

PWR-150-DC	AC power supply of EPT3600OLT (Input voltage: AC 36-72V, maximum power consumption: 150W, independent cooling fan)
OLT-GSFP-20	OLT SFP module, 20km, 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface

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