

## 1 RU Standalone L3 aggregation OLT series



OTL9908



OTL9912



OTL9916

Dibsys OLT series, which has high reliability, highly dense EPON access and robust switching and routing abilities, is a new generation of broadband and multiservice access OLT devices oriented towards the service-integrated network.

Dibsys OLT series adopts the operating system whose intelligent property is owned by Dibsys, integrates with network security, EPON, supports data, voice and video, and provides continuous forwarding, graceful restarting and ring protection, improving the work efficiency and securing the maximum running time.

Dibsys OLT series includes three models: 1.OTL9908 with 8 PON ports, 8 GE uplink; 2. OTL9912 with 12 PON ports, 8 GE uplink; 3.OTL9916 with 16 PON ports, 8 GE uplink.

All OLT products support power source redundancy. Dibsys OLT series can be widely applied on the networks of the carriers, EPON in the NGB upgrade of the Broadcast, TV and film system, or automatic power distribution, power-consumed information collection and PFTTH in the electric power industry.

## Feature

➤ Abiding by IEEE802.3ah, The OLT series meets relevant requirements of GEAPON OLT regulated in Technical Requirements of YD/T1475-2006—EPON and China Telecom EPON Technical Requirements.

➤ The OLT products are standalone devices with high density and optional 10G uplink expansion, so they are easy for expansion and upgrade.

➤ The OLT products has L2/L3/L4 functions, supports 128Gbps backplane bandwidth, static routes, RIP, OSPF and so on. It supports advanced functions such as QoS, bandwidth control and multicast, adding extra values to the whole network.

➤ This series of products has high reliability. The power source can be backed up through the “1+1” mode. At the same time, VRRP, STP and LACP provide further reliability.

➤ A maximum optical coupling ratio of 1:64, up to 1024 ONUs and a 20km transmission distance.

➤ The OLT supports various interface types including GE, TE and EPON.

➤ Dibsyes OLT series supports CTC2.0/2.1/3.0 wholly, automatically detects and works harmoniously with ONUs made by different manufacturers.

➤ It supports the RFC 1213 SNMP protocol. The internal network management mode adopts the Telnet-based configuration management or the SNMP-based configuration management, realizing uniform network management based on the Broad Director network management platform.

## Parameter

System capacity	optical coupling ratio	1:64
	backplane bandwidth	128Gbps
	MAC	32K
Interface	PON	8/12/16xEPON
	Uplink	8 GE( 4GE SFP slots, 4 GE TX/SFP combo ports)
		10G uplink expansion
PON	Uplink and downlink symmetrical 1Gbps transmission rate	
	PON average rate of tansmitting optical	
	Sensitivity of receiving optical	
Service quality	US/DS rate-limiting Base on each ONU	
	Support DBA/SLA	
VLAN	Port-based VLAN	
	QinQ	
L3 function	Support Static route,Ripv1/v2.OSPF	
	Host routing capacity:8K	
Multicast	1GMP	
	1GMP snooping	
Reliability	Single direction link detection protocol,avoid Survival tree ring	
	expansion slot EPON optical module hot swap	
	EPON optical ruoting protect	
Network security	Limit the number of users per port	
	Port isolation	
	Packet storm control	
	ACL (Access control list)function base on data stream	

	PON port transmission data encryption
Configuration management	CLI,SNMP,TELNTE
	Upgrade via TFTP
Power supply	Install: standard 19 inch, 1 RU machine chassis
	220V,Dual power supply

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