



The Adopt AD1E-0844 OLT (Figure 1) is self-developed Compact 1U EPON OLT equipment, meeting the requirements of IEEE802.3 and meets the EPON OLT equipment requirements of YD/T 1945-2006 Technical requirements for access network——based on Ethernet Passive Optical Network (EPON) and China telecom EPON technical requirements 3.0, possessing super EPON access capacity, carrier-class reliability and the complete security function.

It can satisfy long-distance optical fiber access requirement on account of its excellent management, maintenance and monitoring capability, abundant service features and flexible network mode. AD1E-0844 can be used with NMS2000 network management system so as to provide users with the perfect solution.

The AD1E-0844 OLT provides 8 *Downstream EPON ports, 4GE * Uplink ETH ports, 2GE * Uplink SFP ports and 2*10G Uplink SFP+ ports. Up to 1:64 Split ratio for up to 512 EPON users. The 1U pizzabox design is for easy installation, Maintenance and Space saving. AD1E-0844 is suitable for Broadcast three in one, video surveillance network, enterprise LAN, Internet of Things, etc.



The Enterprise.
Evolved.

Product Specification

Network interface

EPON interface	8 x EPON (1.25/1.25 Gbps)
Uplink Optical Interface	2 x GE SFP + 2 x 10GE SFP+
Uplink Ethernet Interface	4 x RJ-45

PON interface

EPON	IEEE 802.3
------	------------

Local Management interface

Console	RJ-45 EIA/TIA-232 Console management port
MGMT	1000BASE-T out-band management port

Performance

Switching Capacity	64Gbps
Package transmit rate(IPv4/IPv6)	125Mpps
Split ratio	1: 64
Maximum ONU quantity	512 ONT

Power Supply and Consumption

Power Adaptor	AC Input::100 to 240 V AC, 50/60 Hz; DC Input : 36V-75V
Redundancy Design	Pluggable double power supply, double AC, double DC and AC+DC
Consumption	<56 W

Environmental conditions

Storage	temperature -10 to 70°C, rel. humidity 10–90% (non-condensing)
Operation	temperature 0 to 45°C, rel. humidity 10–90% (non-condensing)

Physical specifications

Dimensions	442mm×360mm× 44mm(W * D *H)
Weight	< 5.5 KG

Key Feature Support

Ethernet switching (L2) features

VLAN	4K VLAN entries Port-based QinQ and Selective QinQ (StackVLAN) Port-based/MAC-based/IP subnet-based VLA
Spanning tree	IEEE 802.1x STP/RSTP/MSTP ONU remote loop detection
MAC	MAC Black Hole Port MAC limit 8K MAC address
Port	Bi-direction bandwidth control Port mirroring and traffic mirroring

Key Feature Support

Service features

Multicast	IGMPv1/v2/v3 IGMP Snooping/Proxy IGMP filtering
Routing	BGP MPLS RIP
QoS	Base on port or user-defined rate limitation Base on port or user-defined priority tag, provide 802.1P, DSCP tag ability of priority Base on port or user-defined high grade queue scheduling priority queues and scheduler of SP, WRR and SP+WRR. Congestion avoidance system

Security features

User security	Anti-ARP-spoofing deceive defend Anti-ARP-flooding flooding attack automatic control IP, MAC, port and VLAN binding
Device security	Defend DOS attack Security IP login through Telnet Hierarchical management and password protection of users
Network security	IP address, VLAN ID, MAC address and port manual binding Network management Port broadcast /multibroadcast restrain Base on source / destination MAC address, VLAN,802.1p, ToS,DiffServ, source/ destination IP(IPv4/IPv6) address, TCP/UDP port number protocol type of IP package flow classify and flow defined regulation management,support package header 80 byte depth L2-L7 ACLflow filtrate Dynamic ARP table-based binding DHCP Option82 and PPPoE+ upload user's physical location
Network management	Command-line interface(CLI), Console, Telnet and WEB configuration RMON (Remote Monitoring)1/2/3/9 groups of MIB System configuration with SNMPv1/v2/v3 NTP(Network Time Protocol) NMS2000 network management

Ordering Information

AD 1E 0844

8*EPON, 4*GE port, 2*GE SFP, 2*10G SFP+,Pluggable Dual Power Supply