

EPON OLT 4 PON PORTS

EPON OLT 4 PON PORTS FAODH - 4*PON 4*RJ45 ports, 4*SFP+(10GE)



1U

4*GE copper RJ45 ethernet ports

4* fixed GPON port

4*SFP

Applications

This model of OLT which provides 4 EPON ports Designed by superlink,1U standard rack-mounted equipment complying with IEEE802.3ah, YD / T 1475-2006 and CTC 2.0、2.1 and 3.0 .It has flexible, easy to deploy, small size, high performance and other characteristics. The product is particularly suitable for residential broadband fiber access (FTTx), telephone and television "triple play", the power consumption information collection, video surveillance, networking, private network applications and other applications.

Supply 4 PON Port

Supply 4 pcs RJ45 Uplink Port

Supply 4 SFP slots(Combo)

Supporting 256 ONUs under 1:64 splitter ratio.

Supporting various types of management mode, such as out-band, in-band, CLI 、WEB and EMS based on development interface.

Typical Power 50W

Features

- Support Dynamic Bandwidth Allocation (DBA), the bandwidth granularity 64Kbps
- Support ONU auto-MAC binding and filtering, support the ONU offline business configuration and automatically configure;
- Support 4096 VLAN additions, transparent transmission and conversion, support VLAN stacking (QinQ);
- Support 32K MAC's line speed learning and aging, support MAC address restriction;
- Support IEEE 802.1d (STP), 802.1w (RSTP) and MSTP Spanning Tree Protocol;
- Support IGMP v1/v2 Snooping and Proxy, support CTC controllable multicast;
- Support priority queue scheduling, support SP, WRR or SP + WRR scheduling algorithm;
- Supports port speed, support packet filtering;
- Support port mirroring and port trunking;
- Provide logs, alarms and performance statistics;
- Support WEB Management;
- Support SNMP v1/v2c network.

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Detailed product specifications

1.Hardware Features

Business Interface	Supply 4 PON Port 4SFP slots for Uplink 10/100/1000M auto-negotiable,RJ45:4pcs for Uplink
Management Ports	Provide 10/100Base-T RJ45 out-band network management port It can manage the in-band network through any GE uplink port Provide local configuration port Provide 1 CONSOLE port
Data exchange	3 layer Ethernet switching, switching capacity 128Gbps, to ensure non-blocking switching
LED Light	RUN、PW instructions system running、 power working status PON1 to PON4 instructions 4 pcs PON port LINK and Active status XGE1 to XGE4 instructions 4 pcs 10GE uplink's Link and Active status
Power Supply	220VAC AC: 100V~240V,50/60Hz DC:-36V~-72V Power Consumption 50W
Weight	4.6 Kg
Working Temperature	0~55℃
Dimension	300.0mm(L)* 440.0mm(W)* 44.45mm(H)

2.EPON Function

EPON Standard	Comply with IEEE802.3ah,YD/T 1475-200 and CTC 2.0 、 2.1 and 3.0 standard
Dynamic bandwidth allocation (DBA)	Support fixed bandwidth, guaranteed bandwidth, maximum bandwidth, priority, etc. SLA parameters; Bandwidth granularity 64Kbps
Security Features	Support PON line AES and triple churing encryption; Support ONU MAC address binding and filtering;
VLAN	Support 4095 4096 VLAN additions, transparent transmission, conversion and deletion; Support VLAN Stacking (QinQ)
MAC address learning	Support 32K MAC addresses;Hardware-based wire-speed MAC address learning; Based on port, VLAN, link aggregation MAC restrictions;
Spanning Tree Protocol	Support IEEE 802.1d (STP), 802.1w (RSTP) and MSTP Spanning Tree Protocol
Multicast	Support IGMP Snooping and IGMP Proxy, support CTC controllable multicast; Support IGMP v1/v2 and v3

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NTP protocol	Support NTP protocol
Quality of Service(QoS)	Support 802.1p priority queue scheduling; Support SP, WRR or SP + WRR scheduling algorithm;
Access Control Lists(ACL)	According to the destination IP, source IP, destination MAC, source MAC, destination protocol port number, source protocol port number, SVLAN, DSCP, TOS, Ethernet frame type, IP precedence, IP packets carried protocol type ACL rules set; Support the use of the ACL rules for packet filtering; Support Cos ACL rule using the above settings, IP priority setting, mirroring, speed limit and redirect the application;
Flow Control	Support IEEE 802.3x full-duplex flow control; Support port speed;
Link Aggregation	Support 8 port aggregation group, each group supports 8 member ports
Port Mirroring	Support the port mirroring of uplink interfaces and PON port
Log	Support by the alarm log output level shield; Support for logging output to the terminal, files, and log server
Alarm	Support four alarm levels (severity, major, minor, and warning); Support 6 alarm types (communication, quality of service, processing error, hardware equipment and the environment); Support alarm output to the terminal, log and SNMP network management server
Performance Statistics	Performance statistics sampling time 1 ~ 30s; Support the 15 minutes performance statistics of uplink interfaces ,PON port and ONU user port
Administration maintenance	Support OLT configuration save, support restore the factory settings; Support OLT online upgrade; Support ONU offline service configuration and automatically configure ; Support ONU remote upgrade and batch upgrade;
Network management	Support local or remote CLI management configuration; Support SNMP v1/v2c network management, support band, in-band network management; Support the standard of broadcasting industry "EPON + EOC" SNMP MIB and support auto-discovery protocol EoC headend (BCMP); Support WEB config management Open interfaces for third-party network management;

2.Shipping packaging

Data of packaging	1pcs /ctn,4.6kg/ctn,300*440*44.5mm
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3.Detail Panel

