

LANZONE LZ-B-OLT-F3012



INTRODUCTION:

LANZONE OLT complies with IEEE802.3ah and PRC communication standard (YD/T 1475-2006), supports CTC2.1/3.0, automatically detects and is compatible with other manufacturers' ONUs, so LANZONE LZ-B-OLT-F3012 can be used in an efficient EPON solution. LZ-B-OLT-F3012 OLT supports the 1.25Gbps PON transmission rate, efficient bandwidth usage and Ethernet services, helping carriers to provide reliable services to their users.

Its coupling ratio, 1:64, and its support of different hybrid ONU networks minimize the carrier's investment.

LANZONE LZ-B-OLT-F3012, 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: complying with IEEE802.3ah, PRC communication standard (YD/T 1475-2006), and CTC2.1/3.0
- System's capacity: supporting 12 EPON systems and flexible configuration
- Uplink interfaces: having 8 GE uplink ports (4 GE optical ports and 4 GE combo ports) and supporting 2 additional 10G uplink ports
- Device size: 1U, 300mm high, and occupying small machine-room area
- Green technology and environment protection: low power consumption to reduce the operation cost
- Layer-3 function: supporting L3 routing functions

- Protecting the bus optical fiber: supporting automatic link protection on the occurrence of optical fiber trouble
- Power: supporting two AC power sources, two DC power sources or the AC/DC hybrid power source, adopting the modularization design, hot-swappable, EMC3, powerful environment adaptability

Specifications

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| Model | LZ-B-OLT-F3012 |
| System's capacity | <p>Maximum coupling ratio, 1:64</p> <p>128G backplane bandwidth</p> <p>Volume of the MAC table: 32K</p> |
| Ports | <p>12 EPON ports</p> <p>8 GE ports (4 GE optical ports and 4 GE TX/SFP ports)</p> <p>optional 2 10G ports</p> |
| EPON | <p>1Gbps transmission rate with downlink and uplink symmetry</p> <p>Average emitting power of the PON port: +2dbm to +7dbm</p> <p>Light reception sensitivity of the PON port: no less than -30dBm</p> <p>Security: ONU authentication mechanism</p> |
| Standard | <p>IEEE802.3ah</p> <p>IEEE 802.1D, Spanning Tree</p> <p>IEEE 802.1Q, VLAN</p> <p>IEEE 802.1w, RSTP</p> <p>IEEE 802.3ad, LACP</p> <p>Ethernet – II</p> |
| QoS | Backpressure flow control (half duplex) |

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| | <p>IEEE 802.3x flow control (full duplex)</p> <p>IEEE 802.1p, CoS</p> <p>WR, SP and FIFO</p> <p>ONU-based uplink/downlink rate limit</p> <p>DBA and SLA</p> |
| VLAN | <p>Port-based VLAN</p> <p>4K active VLANs</p> <p>QinQ and flexible QinQ</p> |
| IP routing | <p>Static route, RIPv1/v2, OSPF, etc</p> <p>Routing table: 12K</p> |
| Multicast | <p>IGMP v1/2/3</p> <p>IGMP Snooping</p> |
| Reliability | <p>Unidirectional Link Detection (UDLD)</p> <p>Optical path protection of EPON</p> |
| Network security | <p>MAC limit</p> <p>Port isolation</p> <p>Storm control</p> <p>Flow-based ACL</p> <p>Transmission data encryption on the PON interface</p> |
| Management | <p>CLI, SNMP and TELNET</p> <p>TFTP and FTP</p> |
| Chassis | 442.5mm(W) x300mm(D) x 44mm(H) |
| | Installation: A 19-inch cabinet |
| | Weight: 2kg |

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| Environment | Working condition: 0-55 deg C; 10%-85% non-condensing |
| | Storage condition: -40-80 deg C; 5%-95% non-condensing |
| Power | <p>Input voltage: AC90 to 264V , DC -36 to -72V</p> <p>Dual power inputs, AC/DC power hybrid, power module's hot swap</p> <p>Over-current protection and over-voltage protection</p> |

ORDER INFORMATION

LZ-B-OLT-F3012 : LANZONE GEAPON Optical Line Terminal 1U Rack Mountable with 12 PON SFP slots, 8 GE SFP optical SFP slots shared with 4 GE copper ports, AC power supply.

LZ-B-OLTM3012-1PSFP: LANZONE GEAPON Optical Line terminal PON 1 Port SFP Module , 20Kms