

## LANZONE LZ-B-OLT-F3004



### INTRODUCTION:

LANZONE LZ-B-OLT-F3004 complies with IEEE802.3ah, automatically discovers and cooperates with ONUs of different manufacturers.

LANZONE LZ-B-OLT-F3004 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, 1:64, and its support of different hybrid ONU networks minimize the carrier's investment.

LANZONE LZ-B-OLT-F3004, 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:

- LANZONE LZ-B-OLT-F3004 can support four PON systems
- Supports IEEE802.3ah and PRC Community Industry Standard (YD/T 1475-2006). It adopts the point-to-multipoint network topology, effectively collects separate Ethernet services and aggregates them on the MAN node.
- It connects the upper-layer devices through the GE interface and can be connected to the existing network smoothly.
- The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share the 1Gbps bandwidth reasonably, guaranteeing a reliable QoS.
- System's capacity: The modularized PON card of LANZONE LZ-B-OLT-F3004 can support four EPON systems simultaneously, up to 256 ONUs and the 1/64 coupling ratio.
- Uplink interface: Its flexible design supports various MAN interface type groups. The optical ports or the electrical ports are selected according to network conditions.

- They support the IGMP multicast and efficiently utilize the bandwidth. They support the multicast VLAN.
- Device size: A 1U device occupies a little space and consumes little power, decreasing the function cost of the services.
- Protecting the bus optical fiber: LANZONE LZ-B-OLT-F3004 supports that the link can be automatically switched to protect the optical fiber when trouble occurs in the optical fiber.
- It is highly reliable and powered by two power sources.
- It has rich OAM functions such as configuration, alarm, performance monitoring, trouble isolation and security management. At the same time, it supports the CLI/GUI management, which is easy to use.

## Specifications

Model	LZ-B-OLT-F3004
System's capacity	Maximum coupling ratio, 1:64 32G backplane bandwidth
Interface	6 GE ports (2 gigabit RJ45 ports, 2 combo ports, 2 gigabit optical ports) 4 fixed EPON ports
PON interface	A 1Gbps transmission rate with downlink and uplink symmetry Average Optical Transmit Power: +2dbm ~ +7dbm Light reception sensitivity of the PON port: no less than -30dBm ONU authentication mechanism
Standard	IEEE802.3ah IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP

QoS	<p>Backpressure flow control (half duplex)</p> <p>IEEE 802.3x flow control (full duplex)</p> <p>IEEE 802.1p, CoS</p> <p>WR, SP and FIFO</p> <p>Rate-limit based on each ONU</p> <p>DBA and SLA</p>
VLAN	<p>Port-based VLAN</p> <p>IEEE802.1Q VLAN relay</p>
Multicast	<p>IGMP v1/v2</p> <p>IGMP Snooping</p>
Reliability	<p>EAPS</p> <p>Optical path protection of EPON</p>
Security	<p>MAC limitation</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	442mm(W) x315mm(D) x 44mm(H)
	Installation: A 19-inch cabinet
	Weight: 2kg
Environment	Working condition: 0°C-55°C; 10%-85% no condensation

	Storage condition: -40°C to 80°C; 5%-95% non-condensing
Power supply	<p>Input voltage: AC100-240V</p> <p>Input frequency: 47-63Hz</p> <p>Supporting redundancy power supply</p> <p>Input current: 1A/230V</p> <p>Power consumption: Up to 48W</p>

## ORDER INFORMATION

**LZ-B-OLT-F3004:** LANZONE GEAPON Optical Line Terminal 1U Rack Mountable with 4 PON SFP slots, 2 Gigabit Combo ports, 2 GE SFP optical SFP slots and 2 GE copper ports, AC power supply.

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