High Performance Rack-Mounted OLT
BDCOM P3310C Series

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Product Overview

BDCOM P3310C complies with IEEE802.3ah and P.R.C intercommunication standard, YD/T 1475-2006, supports CTC2.0/2.1/3.0, automatically discovers and cooperates with ONUs of different manufacturers. It can be used for establishing efficient EPON solution.

BDCOM P3310C OLT 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 ups to 1:64, and its support of different hybrid ONU networks minimize the carrier's investment.

BDCOM P3310C, 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.

P3310C

Main Characteristics

BDCOM P3310C OLT supports four PON systems. It has following benefits:

- P3310C abides by 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.

- The modularized PON card of P3310C can support four EPON systems simultaneously, up to 256 ONUs and the 1/64 coupling ratio.

- P3310C supports various MAN interface type groups. The optical ports or the electrical ports are selected according to network conditions.

- P3310C supports the IGMP multicast and the multicast VLAN.
- P3310C is of a 1U height and low power consumption.
- P3310C supports the link automatic switching when trouble occurs in the optical fiber.
- P3310C is highly reliable and supports the dual power supply.
- P3310C has rich OAM functions including configuration, alarm, performance monitoring, fault isolation, security management and CLI/GUI management.

Technical Parameters

Attributes	P3310C
System 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 emitting power of the PON port: +2dbm ~ +7dbm Light reception sensitivity of the PON port: no less than -30dBm Security: ONU authentication mechanism Support FEC
Standard	IEEE802.3ah IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP
QoS	Backpressure flow control (half duplex) IEEE 802.3x flow control (full duplex) IEEE 802.1p, CoS WR, SP and FIFO Limiting the uplink/downlink rate based on each ONU Supporting DBA and SLA
VLAN	Port-based VLAN IEEE802.1Q VLAN relay
Multicast	IGMP v1/v2 IGMP Snooping
Reliability	Unidirectional Link Detection (UDLD) Hot swap of the EPON optical module on the expanded slot Optical path protection of EPON
Network Security	Limiting the maximum number of users on each port Port isolation Packet storm control Flow-based ACL access control function

	Transmission data encryption on the PON interface
Configuration Management	Various management modes such as CLI, Web, SNMP and TELNET Conducting software upgrade through TFTP and FTP Command prompt in English Debug output
Physical Characteristics	Dimensions mm (W×D×H) : 442 x315 x 44
	Installation: standard 19-inch cabinet
	Weight: 2kg
Environment Requirements	Working condition: 0℃-55℃; 10%-85% non-condensation
	Storage condition: -40℃-80℃; 5%-95% non-condensation
Power Supply	Input voltage: AC100-240V Input frequency: 47-63Hz Support dual power supply Input current: 1A/230V Power consumption: Up to 48W

Ordering Information

Model	Description
BDCOM P3310C	OLT device with 4 PON ports (1 console port, 1 out-of-band 10/100M port, 4 fixed PON ports (excluding the OLT SFP optical module), 2 gigabit combo ports, 2 gigabit SFP optical ports, 2 gigabit TX ports, AC90-264V power supply, single power supply, 19-inch rack-mounted, 2 fan)
BDCOM P3310C-DC	OLT device with 4 PON ports (1 console port, 1 out-of-band 10/100M port, 4 fixed PON ports (excluding the OLT SFP optical module), 2 gigabit combo ports, 2 gigabit SFP optical ports, 2 gigabit TX ports, DC36-72V power supply, single power source, 19-inch rack-mounted, 2 fan)
BDCOM P3310C-2AC	OLT device with 4 PON ports (1 console port, 1 out-of-band 10/100M port, 4 fixed PON ports (excluding the OLT SFP optical module), 2 gigabit combo ports, 2 gigabit SFP optical ports, 2 gigabit TX ports, AC90-264V power supply, two power supplies, 19-inch rack-mounted, 2 fan)
BDCOM P3310C-2DC	OLT device with 4 PON ports (1 console port, 1 out-of-band 10/100M port, 4 fixed PON ports (excluding the OLT SFP optical module), 2 gigabit combo ports, 2 gigabit SFP optical ports, 2 gigabit TX ports, DC36-72V power supply, two power supplies, 19-inch rack-mounted, 2 fan)
OLT-GSFP-20+	OLT SFP module, 20km, 1.25G, TX wavelength 1490nm, RX wavelength 1310nm, SC interface, DDMI

For More Information

For more information about the BDCOM P3310C Series, please contact your local BDCOM account representative.

Shanghai Baud Data Communication Co., LTD.

No.123, Juli Road,

Pudong Zhangjiang High-Tech Park,

Shanghai 201203, P.R.China

www.bdcom.cn

Tel: +86-21-50800666