BDCOM
Professional Network Technology

BDCOM ONU Series — P1004C1

BDCOM P1004C1

Product Overview

BDCOM P1004C1 is a new generation smart ONU oriented for integrated multi-service networks. It is complied with IEEE802.3ah and relevant requirements for *EPON ONU regulated in Technical Requirements of* YD/T 1475-2006—*Ethernet-Based EPON and China Telecom EPON Technical Requiremen*t 2.1/3.0. BDCOM P1004C1 can be well connected with OLTs from the mainstream manufacturers.

P1004C1

Main Characteristics

■ **High Access Capacity**

It supports the symmetric uplink/downlink 1Gbps PON transmission rate. Connected with BDCOM OLTs, it can realize 1:64 splitting ratio. The network covering radius can reach to 20km. The transmission distance can expand to 80km if combing the ONU with PON relay.

■ **Secure Service Carrying Ability**

For ensuring the secure service carrying ability of ONU, BDCOM has developed techniques including VLAN, STP, port isolation, ACL, QoS and Broadcast Storm Control.

■ **High Service Control Capability**

It supports functions of DBA and Rate-Limit. It supports advanced dynamic bandwidth distribution and accurate bandwidth limit, which enables users to appropriately share 1Gbps bandwidth

resource. It also supports QOS function, which guarantees a reliable service quality and service priority.

■ **Rich OAM Functions**

It supports standard OAM and expanded OAM defined by Chinese telecom CTC2.1/3.0, including configuration, alarm, performance monitoring, fault isolation and security management, and it also supports private OAM defined by BDCOM.

■ **Complete Interaction Capacity**

It is complied with IEEE802.3ah and relevant requirements for EPON ONU regulated in Technical Requirements of YD/T 1475-2006—Ethernet-Based EPON *and* China Telecom EPON Technical Requirement 2.1/3.0.

■ **Advanced Energy-saving Technique**

It supports the "GreenTouch" architecture and "Smart@CHIP".

Technical Parameters

Attributes	P1004C1
User trial interface	4 fixed 10/100M BASE-T auto-adaptation RJ45 interfaces
PON interface	The symmetric uplink/downlink 1Gbps PON transmission rate The network covering radius: 20km Type of the optical interface: SC/PC Hi-sensible optical receiver: ≥-26dBm Radiation power:0-4dBm
Dimensions mm (W×D×H)	132 x 100 x 28
	Installation: Plug and play
Environment requirements	Operating environment: 0 ℃ ～ 50 ℃ ； 10% ～ 85% non-condensation
	Storage environment: -40 ℃ ～ 80 ℃ ； 5% ～ 95% non-condensation
Power supply	DC12V/1A adaptor power supply
Power consumption	＜10W
Hull	Plastic

For More Information

For more information about the BDCOM P1004C1, please contact your local BDCOM account representative.

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