



# BDCOM

## BDCOM ONU Series — P1501C1

# BDCOM P1501C1

## Product Overview

BDCOM P1501C1 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 Requirement 2.1/3.0*. BDCOM P1501C1 can be well connected with OLTs from the mainstream manufacturers.



P1501C1

## 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               | P1501C1   |
|--------------------------|---|
| User trial interface     | 1 fixed 10/100/1000M BASE-T auto-adaptation RJ45 interface  |
| PON interface            | The symmetric uplink/downlink 1Gbps PON transmission rate<br>The network covering radius: 20km<br>Type of the optical interface: SC/PC<br>Hi-sensible optical receiver: $\geq -26\text{dBm}$<br>Radiation power: 0-4dBm |
| Dimensions mm (W×D×H)    | 132 x 100 x 28<br>Installation: Plug and play   |
| Environment requirements | Operating environment: 0 °C ~ 50 °C ; 10% ~ 85% non-condensation<br>Storage environment: -40 °C ~ 80 °C ; 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 P1501C1, please contact your local BDCOM account representative.

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