

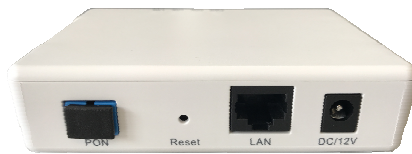


BDCOM P1501DT Series Commercial Gigabit ONU

BDCOM P1501DT Series

Product Overview

BDCOM P1501DT Series are smart ONUs with single Gigabit port designed for 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. BDCOM P1501DT Series can be well connected with OLTs from the mainstream manufacturers.



P1501DT Series

Product 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.

■ Secure Service Carrying Ability

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

■ High Service Control Capability

It supports 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

Item	P1501DT Series
User interface	1 GE
PON Interface	Symmetric uplink/downlink 1Gbps transmission rate Network coverage diameter: 20KM Type of the optical interface: SC/UPC Hi-sensitivity optical receiver: $\leq -27\text{dBm}$ Radiation power: 0-4 dBm Security: ONU authentication mechanism
Standards	IEEE802.3ah PRC Community Industry Standard (YD/T 1475-2006) IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291
VLAN	64 VLAN (1~4094) Port based VLAN IEEE 802.1Q VLAN CTC2.1/3.0 defined VLAN
Multicast	IGMP-Snooping CTC defined dynamic multicast function MLD-Snooping
QoS	Backpressure flow control (half-duplex)

		IEEE 802.3x flow control (full duplex) Prevent Head of Line mechanism IEEE 802.1p, CoS Four priority queues on each port WR, SP and FIFO queue schedule algorithms Port rate limit
Reliability		Loop detect Dying-Gasp
Network Security		MAC address number limit Port protection Port storm control
Management configuration		Management modes including CLI, Web, SNMP, TELNET Software upgrade through TFTP and WEB Local or server syslog
Dimensions	mm	105×75×26
(W×D×H)		Installation: plug and play
Heat dissipation		The heat generated by the device in a long-time use (24 hours) cannot lead to the degrading of the performance and the deformation of the components.
Environment		Operating environment: 0℃～45℃; 10%～85% non-condensing Storage environment: -40℃-80℃; 5%-95% non-condensing
Power supply		DC12V/0.5A (external adaptor power supply)
Power consumption		< 6W

Ordering Information

Product Model	Description
BDCOM P1501DT	FTTH/O ONU, 1 EPON interface (SC/UPC), 1 GE, plastic hull, DC12V/0.5A, external adaptor

For More Information

For more information about **BDCOM P1501DT Series**, please contact your local BDCOM account representative.

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