



BDCOM

BDCOM P1702-4F Series
Commercial 100M ONUs

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Product Overview

BDCOM P1702-4F is a new generation smart ONU with 4 100M ports for integrated multi-service networks. It is complied with the international standard IEEE 802.3ah and PRC Communication Industry Standard (YD/T1475-2006) and China Telecom EPON Technical Requirement CTC2.1/3.0.



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Product Characteristics

■ Excellent Access Capacity

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

■ 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 DBA and Rate-Limit. It supports advanced dynamic bandwidth distribution and accurate bandwidth limit, which enables users to share 1Gbps bandwidth resource appropriately. It also supports QOS function, which guarantees a reliable service quality and service priority.

■ Rich OAM Functions

It supports the standard OAM defined by 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 PRC Communication Industry Standard (YD/T 1475-2006) and China Telecom EPON Technical Requirement CTC2.1/3.0.

■ **Advanced Energy-saving Technique**

It supports the “GreenTouch” architecture and “Smart@CHIP”.

Technical Parameters

Attributes	BDCOM P1702-4F
User interface	4 fixed 10/100M BASE-T auto-adaptation RJ45 interfaces
PON interface	<p>symmetric uplink/downlink 1Gbps PON transmission rate</p> <p>The network covering radius: 20km</p> <p>Type of the optical interface: SC/UPC</p> <p>Hi-sensible optical receiver: -27dBm</p> <p>Radiation power: 0 ~4dBm</p> <p>Security: ONU authentication mechanism</p>
Standards	<p>IEEE802.3ah</p> <p>PRC Communication Industry Standard (YD/T 1475-2006)</p> <p>IEEE 802.1D, Spanning Tree</p> <p>IEEE 802.1Q, VLAN</p> <p>IEEE 802.1w, RSTP</p> <p>ITU-T Y.1291</p>
VLAN	<p>Supports 64 VLANs (1~4094)</p> <p>Port based VLAN</p> <p>IEEE 802.1Q VLAN</p> <p>CTC2.1/3.0 defined VLAN</p>
Multicast	<p>IGMP-Snooping</p> <p>CTC defined dynamic multicast</p> <p>MLD-Snooping</p>
QoS	<p>Backpressure flow control (half duplex)</p> <p>IEEE 802.3x flow control (full duplex)</p> <p>Head Of Line (HOL) mechanism</p>

	<p>IEEE 802.1p, CoS</p> <p>four priority queues on each port</p> <p>WR, SP and FIFO</p> <p>Rate limit</p>
Reliability	<p>Loop detect</p> <p>Dying-Gasp</p>
Security	<p>Limitation to the number of MAC addresses on the port</p> <p>Port protection</p> <p>Port storm control</p>
Management	<p>CLI, Web, SNMP and TELNET</p> <p>Software upgrade through TFTP and WEB</p> <p>Local syslog or server syslog</p>
Dimensions mm (W×D×H)	130 x 100 x 28
	Installation: plug and play
Heat dissipation	<p>Supports long-time use (24 hours);</p> <p>The device running hot will not affect its performance or cause it break down.</p>
Environment requirements	<p>Operating environment: 0 °C ~ 45 °C ; 10% ~ 85% non-condensing</p>
	<p>Storage environment: -40 °C ~ 80 °C ; 5% ~ 95% non-condensing</p>
Power supply	DC12V/0.5A (external adaptor power supply)
Power consumption	<6W

Ordering Information

Model	Description
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BDCOM P1702-4F

FTTH/O ONU, 1 EPON interface (SC/UPC), 4 FE, plastic hull,
DC12/0.5A, external adaptor (HISILICON solution)

For More Information

For more information about the [BDCOM P1702-4F ONU Series](#), please contact your local BDCOM account representative.

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