



BDCOM

BDCOM P1704-4FC Series
Broadcast and TV HGUs

BDCOM P1704-4FC Broadcast and TV HGUs

Product Overview

BDCOM P1704-4FC is a new generation smart ONU for integrated multi-service networks with three-in-one functions: 4 100M ports, CATV and WiFi. It is complied with the international standard IEEE 802.3ah and PRC Communication Industry Standard (YD/T1475-2006) and China Telecom EPON Technical Requirement CTC.



BDCOM P1704-4FC Series

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 P1704-4FC	
User trial interface	4 fixed 10/100M BASE-T auto-adaptation RJ45 interfaces	
Uplink interface	CATV optical interface	Type of the optical interface: SC/APC Output level: 76dbuv AGC: -18~-5dbm
	PON interface	Symmetric uplink/downlink 1Gbps PON transmission rate The network covering radius: 20km Type of the optical interface: SC/UPC Hi-sensible optical receiver: -27dBm Radiation power: 0 ~4dBm Security: ONU authentication mechanism
Standards	IEEE802.3ah PRC Communication Industry Standard (YD/T 1475-2006) IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291	
VLAN	Supports 64 VLANs (1~4094) Port based VLAN IEEE 802.1Q VLAN CTC2.1/3.0 defined VLAN	

Multicast	IGMP-Snooping
	CTC defined dynamic multicast
	MLD-Snooping
WiFi	802.11b/g/n
	MIMO, 300Mbps (Max)
QoS	Backpressure flow control (half duplex)
	IEEE 802.3x flow control (full duplex)
	Head Of Line (HOL) mechanism
	IEEE 802.1p, CoS
	four priority queues on each port
	WR, SP and FIFO
Reliability	Rate limit
	Loop detect
	Dying-Gasp
Security	Limitation to the number of MAC addresses on the port
	Port protection
	Port storm control
Management	CLI, Web, SNMP and TELNET
	Software upgrade through TFTP and WEB
	Local syslog or server syslog
Dimensions (WxDxH)	mm 130 x 100 x 28
	Installation: plug and play
Heat dissipation	Supports long-time use (24 hours);
	The device running hot will not affect its performance or cause it break down.
Environment requirements	Operating environment: 0°C~45°C; 10%~85% non-condensing
	Storage environment: -40°C~80°C; 5%~95% non-condensing
Power supply	DC12V/1A (external adaptor power supply)

<10W

Ordering Information

Model	Description
BDCOM P1704-4FC	FTTH/O ONU, 1 EPON interface (SC/UFC), 1 CATV optical interface(SC/APC), 4 FE, WiFi, 1 RF interface, plastic hull, DC12V/1A, external adaptor (RTL solution)

For More Information

For more information about the **BDCOM P1704-4FC ONU 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



Copyright ©Shanghai Baud Data Communication Co., LTD. 2016. All Rights Reserved.

This document is BDCOM Public Information.

BDCOM reserves the right to alter, update and otherwise change the information contained in the document from time to time without notice.