BDCOM

Professional Network Technology

BDCOM P1704-4F Series
Commercial 100M HGUs

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Product Overview

BDCOM P1704-4F is a new generation smart WiFi ONU with 4 100M ports for integrated multi-service networks. It is complied with the international standard IEEE 802.3ah and YD/T 1475-2006 and China Telecom EPON Technical Requirement CTC.

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Product Characteristics

- **Excellent Access Capacity**

  It supports the 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 1 Gbps 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 and extended 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 the international standard IEEE802.3ah and relevant requirements for and

PRC Community Industry Standard (YD/T 1475-2006).

- **Advanced Energy-saving Technique**

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

Technical Parameters

Attributes	BDCOM P1704-4F
User trial interface	4 fixed 10/100M BASE-T auto-adaptation RJ45 interfaces
PON interface	Uplink/downlink 1Gbps 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 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, max rate up to 300Mbps

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
	Rate limit
Reliability	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 mm (W×D×H)	140 x 105 x 33
	Installation: plug and play
Heat dissipation	Supports long-time use (For instance, 24 hours); The device running hot will not affect its performance or cause it break down.
Environment requirements	Operating environment: 0 ℃ ∼ 45 ℃ ; 10% ∼ 85% non-condensation
	Storage environment: -40 ℃ ∼ 80 ℃ ; 5% ∼ 95% non-condensation
Power supply	DC12V/1A (external adaptor power supply)
Power consumption	＜8W

Ordering Information

Model	Description
BDCOM P1704-4F	FTTH/O ONU, 1 EPON interface (SC/UPC), 4 FE, built-in WiFi, plastic hull, DC12/1A, external adaptor (HISILICON solution)

For More Information

For more information about the **BDCOM P1704-4F ONU Series**, please contact your local BDCOM account representative.

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