



# BDCOM GP1704-4GV Series

Commercial 1000M HGU

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## Product Overview

BDCOM GP1704-4GV is a smart HGU with 4 gigabit ports with wireless and voice function. It is oriented for the integrated multi-service network. BDCOM GP1704-4GV is complied with the international standard ITU-T G.9844/988 and PRC Communication Industry Standard GPON ONU in Access Technology Requirements and China Telecom GPON Technical Requirement CTC2.0.



GP1704-4GV



GP1704-4GV-22A



GP1704-4GVC-S

## Product Characteristics

- **Excellent Access Capacity**

It supports the PON transmission rate of downlink 2.5Gbp/ uplink 1.25Gbps. Connected with BDCOM OLT, it can realize 1:128 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 2.5Gbps bandwidth resource

appropriately. It also supports QOS function, which guarantees a reliable service quality and service priority.

- **Rich OMCI Functions**

It supports the standard OMCI defined by ITU-T, including configuration, alarm, performance monitoring, fault isolation and security management, and it also supports private OMIC defined by BDCOM.

- **Complete Interaction Capacity**

It is complied with ITU-T G.984/988 and relevant requirements for PRC Community Industry Standard *GPON ONU in Access Technology Requirements* and China Telecom GPON Technical Requirement CTC2.0.

- **Advanced Energy-saving Technique**

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

## Hardware Specifications

Attributes	GP1704-4GV	GP1704-4GV-22A	GP1704-4GVC-S
User interface	4 GE Ethernet ports (RJ45)		
	2 FXS interfaces (RJ11)		
	WiFi interface 802.11b/g/n, external dual-antenna	WiFi interface 802.11b/g/n+802.11ac, external four-antenna	WiFi interface 802.11b/g/n, external dual-antenna
	1 USB interface (USB2.0)		
	N/A	N/A	RF interface (British system) AGC range: -15~-5dbm Output level>70dbuv
PON interface	Downlink 2.5Gbps / uplink 1.25Gbps The network covering radius: 20km Optical Rx sensitivity: -28dBm Optical TX power: 0.5 ~5dBm		
	SC/UPC	SC/UPC	SC/APC
Standards	ITU-T G.984/G.988 PRC Community Industry Standard GPON ONU in Access Technology Requirements; IEEE 802.1D, Spanning Tree		

	IEEE 802.1Q, VLAN IEEE 802.1w, RSTP ITU-T Y.1291 Q/CT 1923 Q/CT 1927
Data forwarding	Routing mode, bridging mode, routing mode + bridging mode
DHCP	DHCP server
Multicast	IGMP-Snooping CTC defined dynamic multicast MLD-Snooping
Voice function	SIP, H.248
WIFI	GP1704-4GV/GP1704-4GVC-S: 802.11b/g/n, 300Mbps GP1704-4GV-22A: 802.11b/g/n/ac, 1200Mbps Multi-SSID SSID encryption
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 DOS prevention attack Port scan prevention
Management	CLI, Web, SNMP, TELNET and TR069 Software upgrade through TFT, WEB, TR069 or OLT Local syslog or server syslog
Dimensions mm (WxDxH)	230x140x34.9
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°C~45°C; 10%~90% non-condensing
	Input Rated Voltage: DC12V/1.5A (external adaptor power supply)
	Power consumption: < 15W

## Ordering Information

Model	Description
BDCOM GP1704-4GV	FTTH/O ONU, 1 GPON interface (SC/UPC), 4 GE, 2 POTS ports, external dual-antenna (300M WiFi), plastic hull, DC12V/1.5A, external adaptor
BDCOM GP1704-4GV-22A	FTTH/O ONU, 1 GPON interface (SC/UPC), 4 GE, 2 POTS ports, external four-antenna (1200M WiFi), plastic hull, DC12V/0.5A, external adaptor
BDCOM GP1704-4GVC-S	FTTH/O ONU, 1 GPON interface (SC/APC), 4 GE, 2 POTS ports, 1 RF interface (British system), external dual-antenna(300M WiFi), plastic hull, DC12V/1.5A, external adaptor

### For More Information

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

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