



Shenzhen Huachuangyilian Electronics Co.,Ltd.

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Gigabit Dual band 1200Mbps 4G/5G CPE Router

Model: HC760



Simply Description

Our HC760 adopt MT7621 CPU, MIPS dual-core CPU, the main frequency is up to 880MHZ, the CPU is equipped with a standard radiator to ensure the stable operation of the system. Equipped with large-capacity DDR3 RAM and high-speed SPI Flash to improve system performance.

It build independent WIFI chips with a shielding cover and heat conduction Silica gel to enhance the anti-interference ability of WIFI and improve chip cooling.

The simple LED indicator, USB 3.0, TF card interface.... Meet a variety of routing application needed with high cost performance.

Product Features

- Using MT7621 chipset, MIPS dual-core CPU, the main frequency is up to 880MHZ.
- Support IEEE802.11 n/g/b/a/ac protocol, up to 1200Mbps.
- 2.4G&5.8G Wi-Fi Antennas, 5.8G support MU-MIMO.
- Support IEEE 802.3/3u/ab standard, 1WAN + 4LAN 1000M Self-adaptive ethernet port, support Auto MDI / MDIX.
- DC power supply, support power-on delay to prevent DC spark.
- Support one-button RESET , USB3.0 port and TF card port
- Support webpage "one-click flash mode", users can easily flash the firmware
- Support multiple Internet access methods, PPPoE, dynamic IP, static IP
- Support WEP, WPA, WPA2 and other security encryption modes

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- Built-in MINI-PCIE for expanding 4G modules
- Built-in M.2 Slot for expanding 5G modules. It can install 4G modules or 5G modules.

Wi-Fi Introduction

Compliant with IEEE 802.11 n/g/b/a/ac wireless network protocol, 2.4G WIFI supports 40MHz bandwidth, uses 2x2 MIMO (Multiple Input Multiple output) architecture, 5.8G WIFI supports 80MHz bandwidth, and uses 2x2 2x2 Multi-user MIMO (MU-MIMO) beam-former,

Dual band transmission rate is up to 1200Mbps with standard 5dbi high-gain omnidirectional antenna. In an open environment, the wireless signal coverage is more than radius 50 meters, wifi support about 50 users.

Product Specification

Hardware	
Main Chipset	MT7621A (880MHz)
2.4G Chip set	MT7603EN
5.8G Chip set	MT7613AEN
RAM	DDR3 256MB (MAX DDR3 512MB)
SPI FLASH	16MB (MAX 32MB)
Protocol	IEEE 802.11n,IEEE 802.11g,IEEE 802.11b,IEEE802.11ac,IEEE802.11a IEEE 802.3,IEEE 802.3u
RT Power	11n: 16dBm±1dBm 11g: 16dBm±1dBm 11b: 18dBm±1dBm 11a: 18dBm±1dBm 11ac: 17dBm±1dBm
Reception Sensitivity	11N HT20 MCS7: -70dBm 11N HT40 MCS7: -68dBm 11G 54Mbps: -72dBm 11B 11Mbps: -85dBm 11A 54Mbps: -72dBm 11AC VHT20 MCS8: -65dBm
Work Channel	2.4GHz choose : 1-13 5GHz choose : 149,153,157,161,165
Wireless Rate	Max 1200Mbps
Work Frequency	2.4GHz, 5.8GHz
Antenna	2* 5dbi high-gain dual-band antennas; 4* 5dbi high-gain 5G antennas or 2* 5dbi high-gain 4G antennas, depend on the type of optional module.



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Interface	Built-in 1* USB3.0, MINI-PCIE and M.2 interface can only choose one. 1 *SIM card slot 1 *USB 3.0 port 1 *Micro TF card slot 1* DC interface 1 *10/100/1000M WAN port (Auto MDI/MDIX) 4 *10/100/1000M LAN port (Auto MDI/MDIX)
4G/5G	Support, but 4G module and 5G module can only choose one
LED	Power / 2.4G / 5.8G / 4G or 5G / external network LAN1 / LAN2 / LAN3 / LAN4 / WAN
Button	Reset Button
Max Power consumption	< 20W
Dimension (L*W*H)	Product size:240MM*136MM*25MM
Software	
WAN Type	PPPoE.Dynamic IP. Static IP
Work Mode	Router;
DHCP	Server, Client, DHCP Client List, Address Reservation
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
Firewall Security	Dos, SPI Firewall IP Address Filter/MAC Address Filter/ Domain Filter IP and MAC Address Binding
DDNS	Support
VPN Pass-Through	PPTP, L2TP, IPSec (ESP Head)
Band Ctrl	Support
Static Router	Support
System Log	Support
Other Function	Mac clone NTP Synchronize Web firmware upgrade
Others	
Work Environments	Operating Temperature: 0°C ~ 40°C; Storage Temperature: -40°C~ 70°C; Operating Humidity: 10%~90% non-condensing Storage Humidity: 10%~90% non-condensing
Adapter	DC 12V 2A