



Gigabit 4G Gateway With SIM Card

Slot

Model: HC840



Simple Introduction

This document describes the electrical characteristics, RF performance, dimensions and application environment of the HC840. Under the introduction of this document, end users or developers can quickly understand the hardware functions of HC840.

HC840 is a **Gigabit 4G Gateway**. It accesses the Internet through 4G mobile communication dial-up or 1000Mbps WAN port, then shares the Internet network through 1000Mbps wired LAN.

Product Feature

- Using MT7621A MIPS dual-core CPU, main frequency is up to 880MHZ
- Using 16MB Nor Flash+256MB DDR3 RAM, Max up to 32MB Flash+512MB DDR3 RAM
- 1 Gigabit WAN Port+3 Gigabit LAN Ports, support Auto MDI/MDIX, 1 USB 3.0 Port
- Built-in Mini PCIE slot, support two 5G mobile connections
- 1 SIM card (Nano SIM Card) interface and built-in eSIM (QFN-8 6mmx5mm) card interface, support SIM/USIM card
- Support 9V-36V power supply, 48V POE in as optional
- Preload openWRT firmware

Product Datasheet

Introduction to the hardware interface



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Ports	1*10/100/1000Mbps WAN Port(Auto MDI/MDIX) IEEE 802.3/802.3u/802.ab
	3*10/100/1000Mbps LAN Port(Auto MDI/MDIX) IEEE 802.3/802.3u/802.ab
SIM slot	1* Nano SIM slot, 2*QFN-8(6mmx5mm) eSIM, Support SIM/USIM
USB Port	1*USB 3.0 port
Power	12V 2A DC5.0*2.1MM power adapter, support 9V-36V power, 48V POE in as optional
Button	1*Reset button
Antennas	4*Omni-directional External 5dbi 5G/4G antennas

Introduction to the hardware platform

Processor	MT7621A MIPS Dual Core CPU, 880MHZ main frequency
RAM	DDR3 256MB (Max.512MB)
Flash	Nor Flash 16MB (Max. 32MB)
	NAND Flash (Reserved Design) Max. 1GB

4G mobile communication function

This product has built-in Mini PCIE interface, which can be used to expand 4G mobile communication functions. The built-in Mini PCIE interface supports USB3.0 and USB 2.0 buses. 4G mobile communication supports 4G/3G.

Power supply and power consumption description

Item	Testing Condition	Minimum	Rating	Maximum
Working voltage(V)	T A = 25°C	9	12	35
Absolute operating voltage(V)	T A = 25°C	8		36
Working Currenty(A)	VIN=12V T A = 25°C	0.3	0.9	1.5

Please use the standard power adapter to supply power to this product. If you do not use the standard power supply, please supply power to this product in strict accordance with the above power specifications and parameters, otherwise the product will be damaged. If the battery or vehicle power supply is used for power supply, please make anti-static and anti surge countermeasures.

Introduction to structural parameters and accessories



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Color	Black/Blue/Silver
Packing List	HC840 1PCS
	12V 2A power adapter 1PCS
	Cat 5 Patch cable 1PCS
	Mounting Brackets 1SET

Product working environment requirements

Working temperature	-20°C - 60°C
Storage temperature	-40°C - 70°C
Working humidity	10% - 90%RH, Non condensing
Storage humidity	5% - 90%RH, Non condensing

Software configuration information

Default IP	192.168.1.1
Username/password	root/admin

The above is the general default configuration information of the product. Please refer to the product description for other detailed software functions.