

# Product Specification

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## H8951 3G/4G Router



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# 1 Overview

H8951 4G Router is a data communication terminal on mobile communication network, which independently researched and developed by Hongdian Corporation. The product is based on 4G wireless communication technology. It uses high performance 32-bit embedded operating system and has a full industrial design. It can provide high performance 4G communication speed by accessing the global 4G network via the embedded 4G module. It is widely used for various industries such as telecommunication, finance, information media, electric power, transportation, on-board devices and environmental protection and so on.

# 2 Specifications

**Table 2-1** H8951 4G router features

Specifications	Descriptions	Remarks
Product Name	H8951	V40
Network Type	4G	Supported bands depend on the module
Front panel interfaces	1*SIM slot (1.8V/3.0V)	
	4*LED indicators	
Rear panel interface	2*4G Antenna interfaces (SMA-K)	
	1*Wi-Fi Antenna interfaces (SMA-K)	
	1*Reset button	
	1*WAN/LAN interface (10/100 BASE-T)	
	1*LAN interface (10/100 BASE-T)	
	1*DC power socket	
Power supply	Operating Voltage	+5V ~ 36V DC
Power consumption (Peak)	During Idle	Approx. 100mA@12V DC
	During Working	Approx. 350mA@12V DC
Others	Weight	Approx. 300g
	Size (without power connector and bracket)	Length*width*height(mm) 99.7*98*23.4
	Operating temperature	-30°C ~ +75°C
	Storage temperature	-40°C ~ +85°C
	Relative humidity	≤ 95°C (non-condensing)

Note: The power consumption of the communication is affected by the network signal strength and the module network standard.

### 3 Shell Sizes and interface definition

Figure 3-1 Shell size diagram of the H8951 4G router. (Unit: mm.)

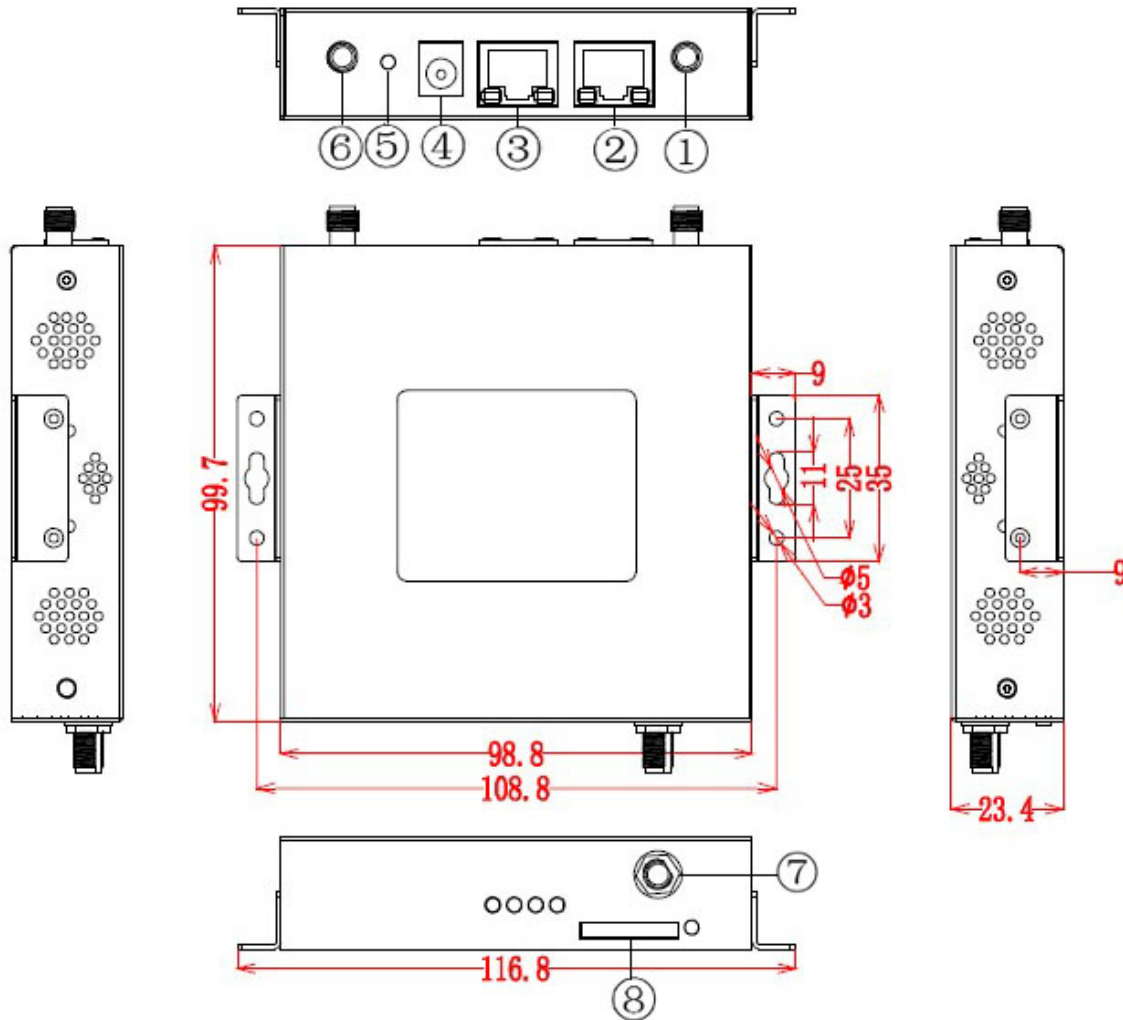


Table 3-1 Interface definition of the H8951 4G router

①	Main 4G antenna interface
②	WAN/LAN port
③	LAN port
④	DC power socket
⑤	RESET button
⑥	Wi-Fi main antenna interface
⑦	Aux 4G antenna interface

⑧	SIM card slot
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## 4 Panel indicator status

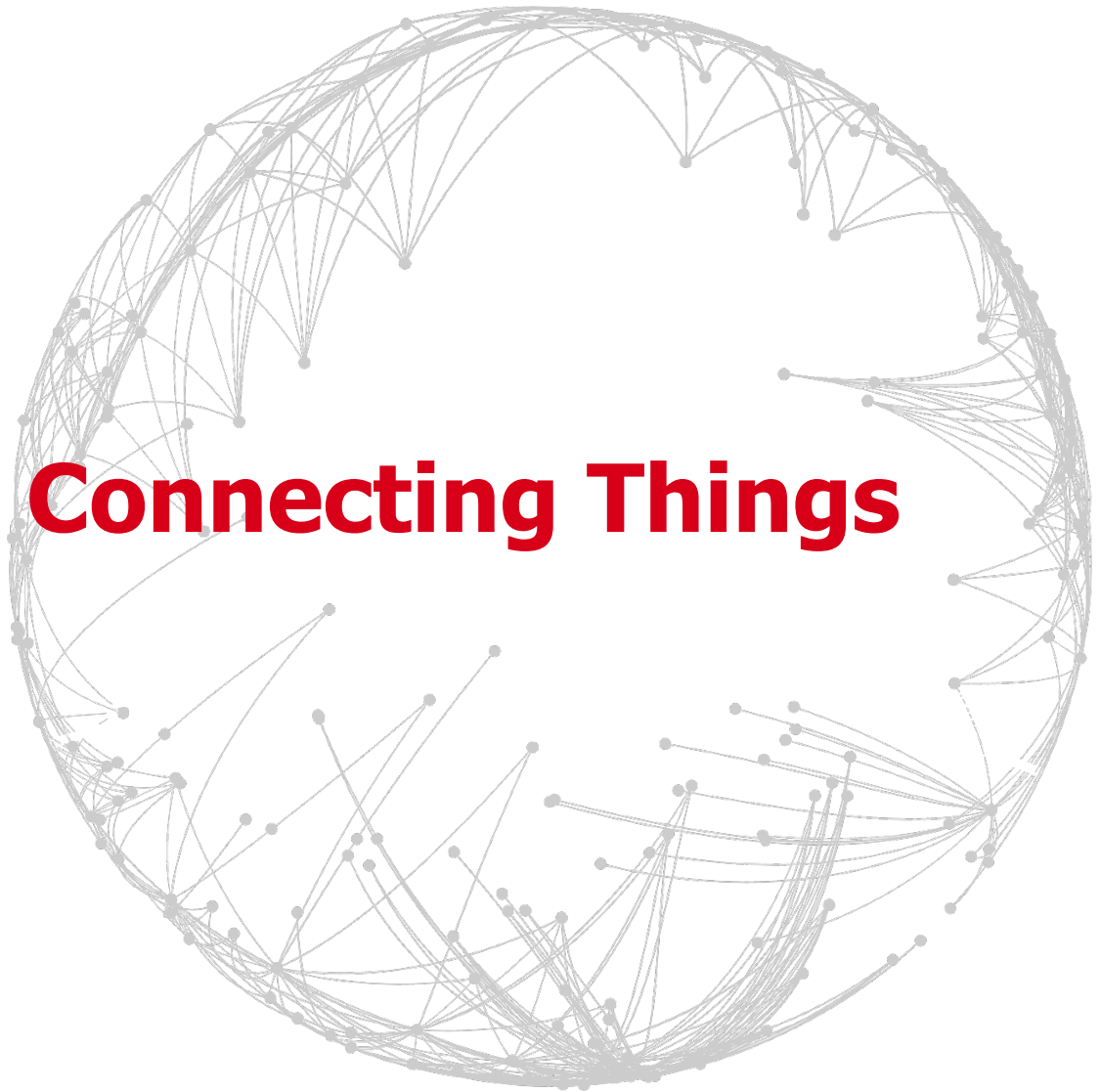
There are 4 working LED indicators on the front side of H8951 4G Router, indicating different status of system and network, shown as below:

**Figure 4-1** Front panel of the H8951 4G router



**Table 4-1** LED indicator description of the H8951 4G router

Indicator name	Status description
SYS	On: System is up and running normally. Off: System is not fully started (First 10s after power-on or restarting).
NET	On: modem has connected to 3G/4G network. Quickly flashing (every 0.5s): modem is dialing. Slowly flashing (every 2s): modem has connected to 2G/2.5G/2.75G network. Off: module not found or dialing disabled.
RF	On: good signal strength, 21~31. Quickly flashing (every 0.5s): medium signal strength, 11~20. Slowly flashing (every 2s): poor signal strength, 1~10. Off: no signal.
WIFI	On: Wi-Fi function is enabled. Flashing: there is data communication. Off: Wi-Fi function is disabled.



# Connecting Things

## Contact US

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