



H8951S 4G Router

Product Specification



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Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	H8951S Router	2019.12.19	First Release

1 Overview

H8951S 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 H8951S 4G router features

Specifications	Descriptions	Remarks
Product Name	H8951S	V40
Network Type	4G	Full Netcom
Front panel interfaces	1*SIM slot (1.8V/3.0V)	
	4*LED indicators	
	1*6 PINs Serial port	
	1*4G Auxiliary Antenna interfaces (SMA-K)	
Rear panel interface	1*4G Main Antenna interfaces (SMA-K)	
	1*Wi-Fi Antenna interfaces (SMA-K)	
	1*Reset button	
	1*WAN/LAN interface (10/100Mbps adaptive)	
	1*LAN interface (10/100Mbps adaptive)	
1*DC power socket		
Power supply	Operating Voltage	+5V ~ 36V DC
Power consumption (Peak)	Idle power consumption	Approx. 100mA@12V DC
	Working power consumption	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 (no condensation)

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 H8951S 4G router. (Unit: mm.)

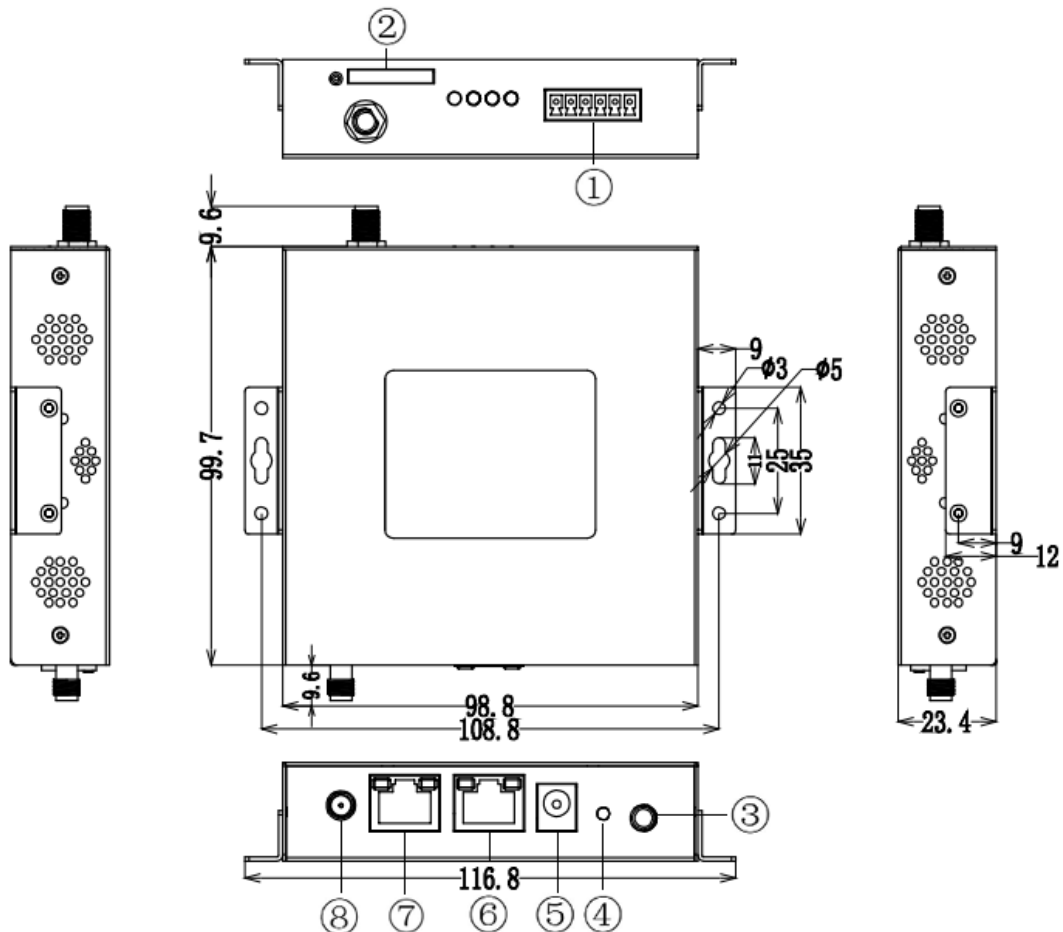


Table 3-1 Interface definition of the H8951S 4G router

①	Serial port
②	SIM card slot
③	WiFi-M main antenna interface
④	RESET button
⑤	DC power socket
⑥	LAN port
⑦	WAN/LAN port
⑧	4G1-M main antenna interface

4 Panel indicator status

There are 4 working LED indicators on the front side of H8951S 4G Router, indicating different status of system and network, shown as below:

Figure 4-1 Front panel of the H8951S 4G router

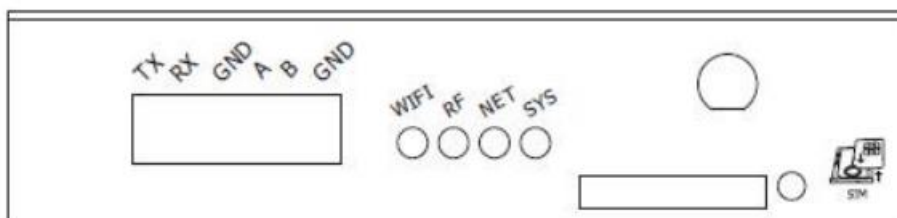


Table 4-1 LED indicator description of the H8951S 4G router

Indicator name	Status description
SYS	On: the system is up and running normally. Off: the system is not fully started (within 10 seconds of power-on or during restart).
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.
RF1	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 is enabled. Flashing: there is data communication. Off: Wi-Fi is disabled.




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