

Product Specification

H8922S 3G/4G Router



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1 Overview

H8922S 4G router is designed and manufactured by Hongdian, it based on 4G cellular network technology, industrial class quality. With its embedded cellular module, it has been widely used in finance, transportation, telecom, electricity, security system and other industries. This document introduced how to use H8922S and its function features.

2 Specifications

Table 2-1 H8922S 4G router features

Specifications	Descriptions	Remarks
Product name	H8922S	V40
Network Type	4G	Supported bands depend on the module selected
Interfaces	Antenna interface	3*Antenna interfaces (SMA-K)
	SIM card	1.8V/3.0V
	Serial data port (6 pins terminal)	RS-232 by default, optional for RS-485
	Serial data rate	RS-232:300-230400 bps (115200bps by default) RS-485:300-115200 bps (115200bps by default)
	Button	1* reset button
	LAN	4* 10/100 BASE-T
	WAN	1*10/100 BASE-T
Power supply	Operating Voltage	+5V~ +36V DC
Working power consumption	During Idle	Approx. 200mA@12V DC
	During Working	Approx. 550mA@12V DC
Others	Weight	Approx. 540g
	Size (without power connector and bracket)	Length * width * height(mm): 176*105*25
	Operating temperature	-30°C~+75°C
	Storage temperature	-40°C~ +85°C

	Relative humidity	<95°C(Non-condensing)
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Note: The power consumption of the communication is affected by the network signal strength and the module network standard.

2 Shell Sizes

Figure 3-1 Shell size diagram of the H8922S 4G router. (Unit: mm.)

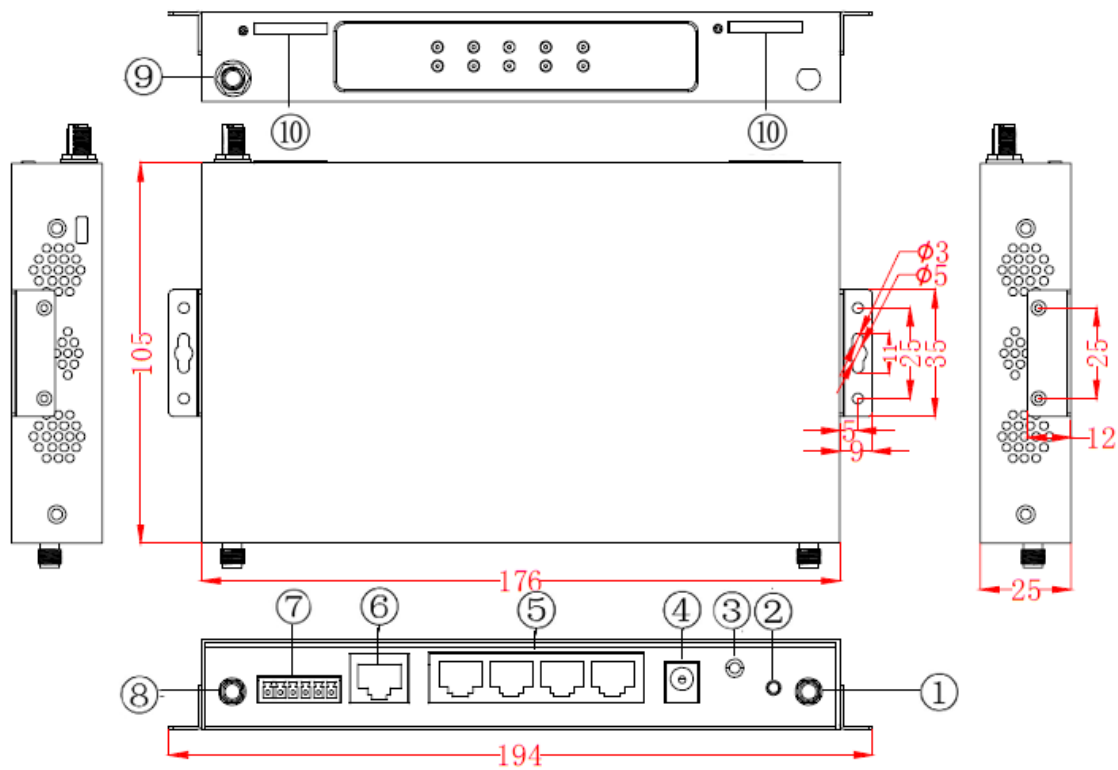


Table 3-1 Interface definition of the H8922S 4G router

1	Main 4G antenna interface
2	RESET button
3	GND interface
4	DC power socket
5	LAN port

6	WAN port
7	Serial port (6 Pin terminal)
8	Aux 4G antenna interface
9	Wi-Fi antenna interface
10	SIM slot

3 Panel indicator status

There are 10 working LED indicators on the front side of H8922S 4G Router, indicating different status of system and network, shown as below:

Figure 4-1 Label of the H8922S 4G router

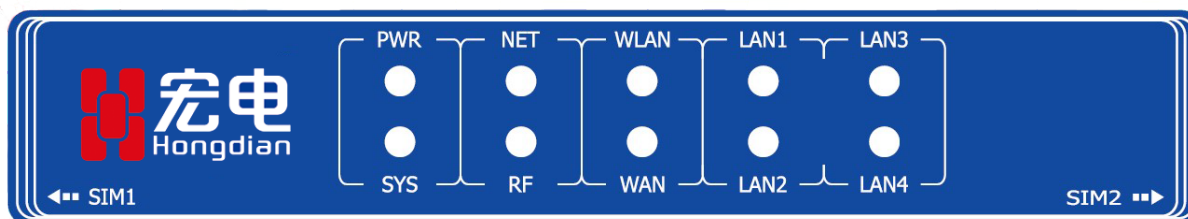
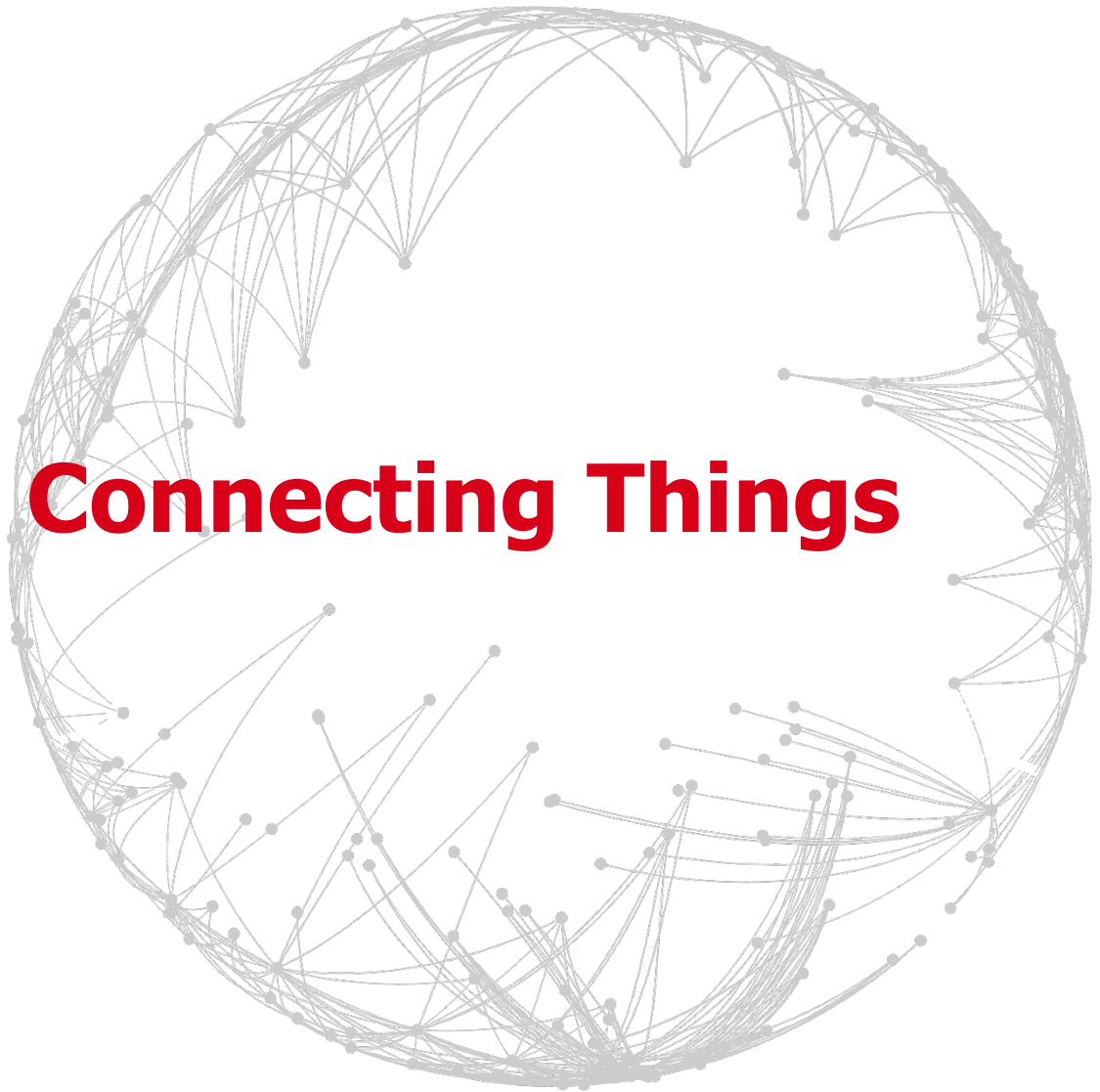


Table 4-1 LED indicator description of the H8922S 4G router

Indicator lamp name	Status description
PWR, SYS	<ul style="list-style-type: none"> • Normally on: the system is started and working normally. • Off: the system is not completely started (within 10 seconds after power-on or during restarting).
WAN	<ul style="list-style-type: none"> • Normally on: the connection of interfaces and other equipment via network cable is normal. • Flashing: There has data sending and transmission. • Off: no network cable is inserted or the connection of interfaces and other equipment via network cable are abnormal.
LAN1~4	Same as the status for WAN.
RF	<ul style="list-style-type: none"> • Normally on: the signal strength is good, 21~31. • Quick flashing (0.5s flashing): the signal strength is medium, 11~20. • Slow flashing (2s flashing): the signal strength is poor, 1~10. • Off: no signal.
NET	<ul style="list-style-type: none"> • Normally on: the dialing is successful and 3G/4G network is Connected.

Indicator lamp name	Status description
	<ul style="list-style-type: none">• Slow flashing (2s flashing): the dialing is successful and 2G/2.5G/2.75G network is connected.• Quick flashing (0.5s flashing): in process of dialing.• Off: fail to find any module or dialing is forbidden.
WLAN	<ul style="list-style-type: none">• Normally on: The router turns on Wi-Fi.• Flashing: there is data communication.• Off: The router turns off Wi-Fi.



Connecting Things

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