

Technical Specification

H8959 4G Router



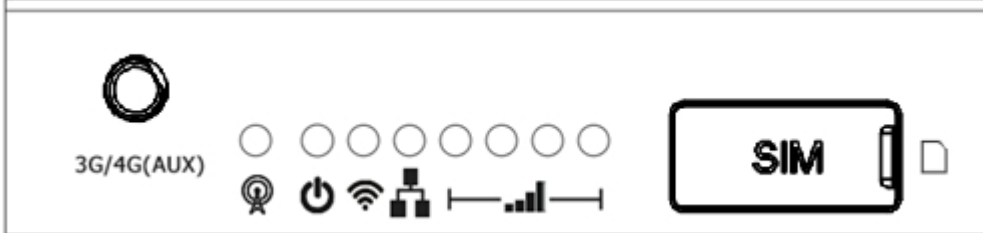
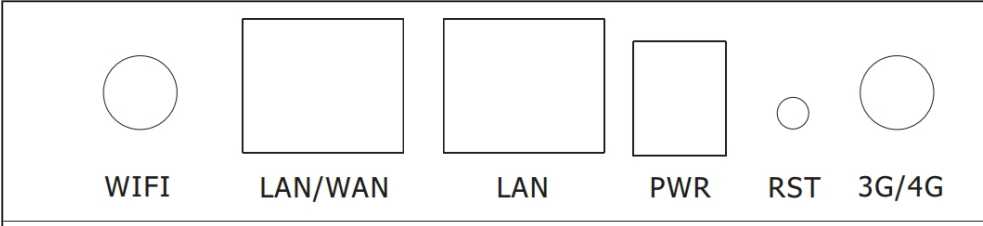
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1. Overview

H8959 4G industrial router is based on 3G/4G wireless networking, supports wired/wireless network backup, has high reliability and convenient networking. It is suitable for large-scale distributed industry applications and is widely used in smart express cabinets, bank ATMs, POS machines, Self-service terminal industries such as self-service vending machines, advertising machines, inquiry machines, queuing machines, and coupon self-service printers. The industrial-grade design and multi-interface expansion of Hongdian equipment can help customers achieve machine networking, status monitoring, remote maintenance, reduce comprehensive maintenance costs, improve service response speed, and accelerate the realization of Industry 4.0.

2. Specifications

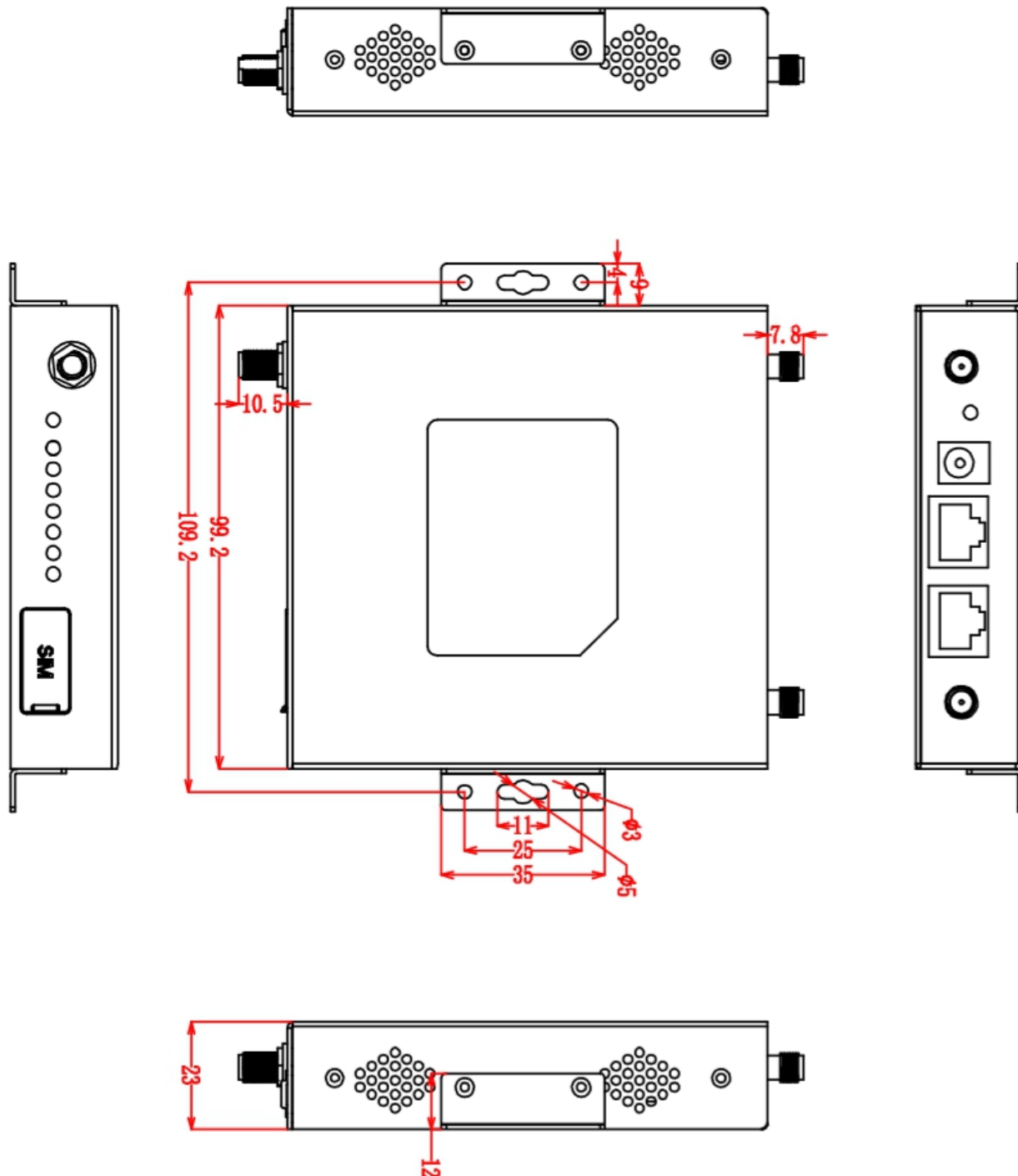
Specifications	Descriptions	Remarks
Product Name	H8959	V10A
Network Type	4G	Supported bands depend on the module selected
Front Panel Interface	 <ul style="list-style-type: none"> ● 1*3G/4G auxiliary antenna interface (SMA-K female) ● 8*equipment working status indicators (see indicator light description for details) ● 1*SIM card holder (1.8V/3.0V) 	
Rear Panel Interface	 <ul style="list-style-type: none"> ● 1*WiFi antenna interface (SMA-K female) ● 1*LAN/WAN interface (10/100Mb adaptive) ● 1*LAN interface (10/100Mb adaptive) ● 1*DC power socket ● 1*RESET button ● 1*3G/4G main antenna interface (SMA-K female) 	
Power Supply	Operating Voltage	+12V DC

Specifications	Descriptions	Remarks
Working Power Consumption	During Idle	Approx. 50mA@12V DC
	During Working	Approx. 350mA@12V DC
Others	Weight (dual mode)	Approx. 300g
	Size (without power connector and bracket)	Length * width * height(mm):103.2×99.2×23
	Operating Temperature	-30~+70°C
	Storage Temperature	-45~+85°C
	Relative Humidity	≤95%(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

In the figure below, the unit of the actual size of the equipment is millimeters.



①	WiFi antenna interface
②	LAN/WAN port

③	LAN port
④	DC power socket
⑤	RESET button
⑥	3G/4G main antenna interface
⑦	3G/4G auxiliary antenna interface
⑧	SIM card interface

4. Panel Indicator Status

There are 8 LED indicators on the front panel of H8959 4G Router to indicate the working status and network status of H8959 4G Router. The indicator status description is shown in Table 4-1.

Indicator Name	Status Description
SYS	On: System is up and running normally. Off: The light goes off within 10 seconds after power-on or during the restart process, indicating that the system has not fully started.
NET (bi-color light)	The green light is always on: After powering on, the network is connected normally, including MODEM dial-up, WLAN connection to the network, and WAN port connected to the network. The red light is always on: there is no network connection after powering on. Off: The power is disconnected or abnormal, and the device is not powered on.
SINGAL1	On: signal strength is greater than or equal to 1 Off: The signal strength is 0 or the signal strength is 99 (invalid value)
SINGAL2	On: signal strength is greater than or equal to 6 Off: The signal strength is 0 or the signal strength is 99 (invalid value)
SINGAL3	On: signal strength is greater than or equal to 11 Off: The signal strength is 0 or the signal strength is 99 (invalid value)
SINGAL4	On: signal strength is greater than or equal to 21 Off: The signal strength is 0 or the signal strength is 99 (invalid value)
LAN/WAN	On: The LAN port or WAN port is connected to the Internet cable and is connected normally. Off: The LAN port and WAN port are not connected to the network cable at the same time.
WiFi	On: Router turns on 2.4GHz Flashing: transmitting data Off: Router turns off 2.4GHz

Table 4-1