

**Model: G9909**

**(Product Name: Industrial Gateway)**

**Datasheet**

## 1. Overview

G9909 series is a high-speed 5G industrial gateway, which uses wireless cellular network as the bearer network, supports all Netcom 5G/4G/3G/2G networks, and has stronger computing power for the connection between remote devices and data centers. Adopt a secure high-speed wireless data connection and support multiple VPN protocols (OpenVPN, IPsec, L2TP/PPTP, N2N, GRE) to ensure the security of data transmission.

G9909 series 5G industrial gateways meet the needs of industrial users and can seamlessly connect with various PLC industrial groups. The equipment has the characteristics of multi-functionality, stability and scalability.

G9909 series 5G industrial gateways, with Python/C/C++ secondary development, can realize customized applications according to the user's own business, reflect the customer's use value, and can meet various industrial application scenarios.

## 2. Major Functions & Features

### 2.1 Full-featured, quickly experience the convenience of wireless communication

- Support 5G/4G/3G/2G, WIFI, Ethernet, WLAN wired multi-network access at the same time to ensure faster and more stable network operation
- Equipped with 4-core high-performance processors, in order to achieve data optimization, real-time response, and powerful edge computing performance
- Support 2.4G, 5.8G dual-band WIFI, full signal coverage
- Support multiple industrial interfaces, RS232/RS485/CAN/USB etc.

### 2.2 Industrial grade design to meet the needs of industrial users

- Industrial-grade chip design, suitable for harsh working environments in industrial sites
- Fanless design meets the harsh environment of industrial sites and is durable
- The protection level reaches IP40, and the shell and the system are safely isolated, suitable for industrial control applications
- Low power consumption, support +12~48VDC wide voltage power supply, suitable for various on-site power supply methods

### 2.3 Easy to use and easy to manage

- Support cellular network, cable and wireless access
- Support WEB configuration interface, easy deployment
- Support local and remote firmware upgrade, save manpower and material resources
- Support UOTEK Device Manager Cloud device management cloud platform, batch operation, centralized management

## 3. Technical Parameters

Name	Description
Processor	Quad-core cortex-A7 processor
DRAM capacity	512MB (expandable up to 1GB)
NOR FLASH	16MB (expandable up to 64MB)
NAND FLASH	128MB (expandable up to 256MB)
Emmc	Support 8GB (4GB optional)
Microsd expansion	Expandable up to 128GB

SIM/UIM card port	Support 1.8V/3V SIM/UIM card
Power port	Built-in 15KV ESD protection
Real time clock	2x drawer deck
Standard power	Adopt terminals for power supply, built-in anti-reverse connection protection, to avoid damage to equipment by wrong connection of positive and negative
Power range	Built-in RTC
Power consumption	DC 12V/1.5A
Idle working current	DC 12~48V
Current peak	12W
Shell	600ma@12VDC
Dimensions	1A@12VDC
Weight	Metal shell design, protection level up to IP40
Environmental temperature and humidity	Wxdxh=147.8x124.8x45mm (excluding antenna and mounting parts)
Installation	About 730g

#### 4. Appearance



### 5. Structure dimensions

