

Product Name: 4G Industrial Router
R9607Series

Datasheet



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Overview

The R9607 series is a dual card, five-port, industrial grade note wireless router, using wireless cellular network as the bearer network, supporting 4G/3G/2G note network, compact size, low power consumption, flexible interface design, with rich intelligent software and hardware functions, providing secure and high-speed wireless connection between remote devices and data centers. It is widely used in smart power, smart agriculture, smart transportation, smart medical, smart factory, smart water conservancy, smart environmental protection, smart city, industrial control and other fields.

The R9607 series of industrial grade wireless routers are designed to fully meet the needs of unattended on-site communications and support remote configuration of the Utek Device Management Cloud device management cloud platform and TCP/IP to achieve a variety of flexible and efficient on-site or remote configuration and management methods, reducing the difficulty of post-maintenance, significantly improving construction efficiency and reducing the system operation Costs, to achieve customers really experience the convenience of wireless communication.

Features

Industrial grade design to meet the needs of industrial users

- Adopt industrial grade chip design to the harsh operating environment of industrial sites
- IP30 protection level, Safe isolation of housing and system for applications in industrial control sites
- Low power consumption, support +6~35VDC wide voltage power supply, suitable for various field power supply methods
- Fanless design for long operating hours at temperatures from -30 ~ 75°C

Highly reliable design to ensure stable operation of the equipment

- Built-in watchdog technology, self-recovery from faults, ensuring stable operation of the equipment
- Multi-level link detection and anti-dropout mechanism to ensure the device is always online
- Small footprint, dual antenna design, wireless signal enhancement and improved network performance
- Supports multiple redundancy mechanisms for dual SIM cards to build robust and redundant wide area industrial networks

Easy to use and manage

- Supports industrial serial interfaces, RS232 & RS485

- Supports WEB configuration interface, extremely easy to deploy
- Supports local and remote firmware upgrades, saving manpower and resources
- Support Utek Device Management Cloud, batch operation and centralized management

Experience the convenience of wireless communication quickly and with full functionality

- Supports cellular, wired and wireless access
- Supports simultaneous 4G/3G/2G, Wi-Fi, Ethernet, WLAN wired multi-network access
- High performance processor for data optimization and real-time response

Solution



R9607 series industrial router products, support mobile cellular, Wi-Fi, wired network and other access methods. Remote configuration and management through device management cloud platform, visualization and remote operation and maintenance management system solutions, widely used in smart power, smart agriculture, intelligent transportation, smart medical, smart factory, smart water conservancy, smart environmental protection, smart city, industrial control and other fields.

Specification

R9607 Series

	R9607-FS
Specification name	Hardware specification
CPU	Industrial grade 32-bit
DRAM capacity	64MB (expandable up to 128MB)
FLASH capacity	16MB (expandable up to 32MB)
Operating system	Deep customization based on Linux
4G	FDD-LTE:B1/B3/B5/B8 TDD-LTE:B34/B38/B39/B40/B41
3G	WCDMA:B1/B5/B8 TD-SCDMA:B34/B39 EVDO:800MHz CDMA2000
GSM	EDGE/GPRS/GSM:1800MHz/900MHz
SIM/UIM interface	Support 1.8V/3V SIM/UIM Built-in 15KV ESD protection 2 Drawer cardholder
Industrial serial interface	1 RS232&RS485 (RS232optional RS485 optional)
Antenna interface	4 external antenna connectors, 50 Ohm characteristic impedance, SMA female connector (2 4G antennas, 2 Wi-Fi antennas)
Ethernet interface	1 WAN/LAN 10/100Mbit/s adaptive, built-in 1.5KV electromagnetic isolation protection, default WAN, can be configured as LAN 4 LAN 10/100Mbit/s self-adaptive, built-in 1.5KV electromagnetic isolation protection
Indicator light	1xPWR Power Indicator 1xWi-Fi indicator 4xLAN Local Area Network indicator 1xWAN Wide Area Network indicator 1xNET IoT indicator
Power interface	Terminal power supply with built-in anti-reverse connection protection to avoid damage to the equipment by wrong positive and negative connections
Real-time clock	Built-in RTC, battery powered
Standard power supply	DC12V/1.5A, supports overload protection, reverse connection protection
Reset button	The Reset button can be used to restore the device's parameter configuration to the factory default values
Scope of electricity supply	+6~35VDC (DC Model)
Product size	LxWxH=137x100x25mm(without antenna and mountings)
Idle current	138mA@12VDC
Average current	150mA@12VDC

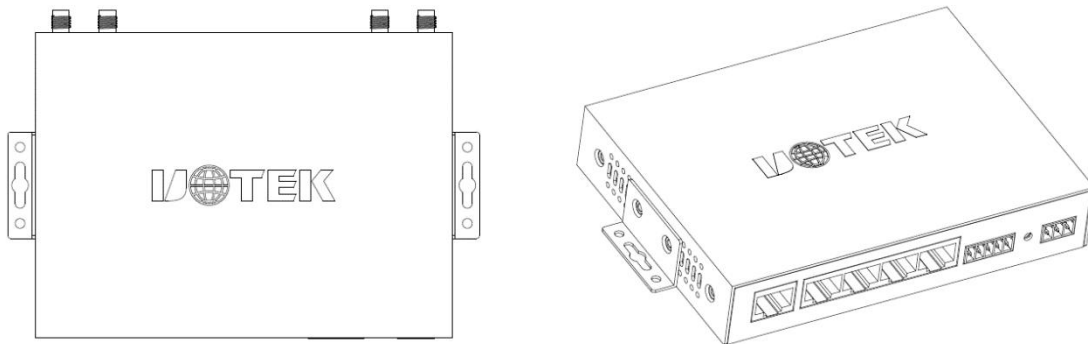
Peak current	800mA@12VDC
Max. power consumption	2.88W
Ambient temperature and humidity	Storage temperature: -40~85°C Operating temperature: -30~75°C Relative humidity: 5 ~ 95% (no condensing)
Weight	388 g
Housing	Metal housing design, protection level up to IP30
Mounting method	Wall-mounted or Rail-mounted (optional)

R9607 Series

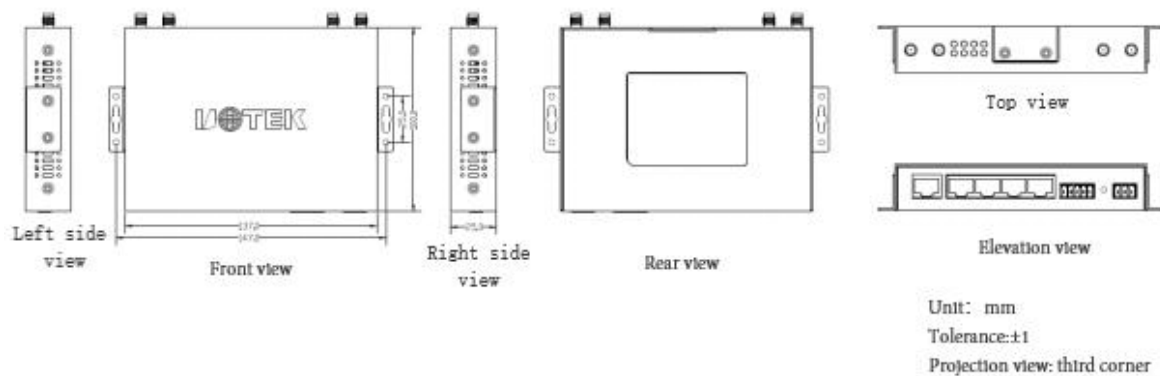
	R9607-FS
Specification name	Software specification
PPPoE certification	PAP/CHAP/MS-CHAP/MS-CHAPV2
Network Protocol	Support ARP, Ethernet LAN protocols Support Static IP, DHCP, PPPoE protocols
VLAN	Support VLAN management
Network access	APN、VPDN
IP Application	Ping, Traceroute, DHCP Server/Client, DNS Relay, Dynamic DNS, Telnet, SSH, HTTP, HTTPS, TFTP, FTP, SFTP, NAT
IP Routing	RIP, static routing
Link detection	TCP/Ping heartbeat detection supports for automatic disconnection and reconnection to ensure that the device is "always on"
Link backup	Link switching for cellular networks, Wi-Fi and wired Ethernet
Link backup	Supports self-recovery of equipment failures to ensure stable equipment operation
Qos	Upstream and downstream bandwidth limits
DTU	Built-in software DTU function
Firewall	Support NAT, PAT, DMZ port mapping, IP, port and MAC filtering
Network Security	Support for administrative user hierarchy: administrator, maintainer
Alarm events	System and application logs
WLAN	Supports IEEE 802.11n b/g/n AP, Client working mode System open, shared key, WPA/WPA2 authentication WEP/TKIP/AES encryption Portal access authentication
Timed task management	Support for setting timed reboots

SNMP	SNMP v1/v2
Traffic statistics	Real-time traffic, monthly traffic statistics, traffic limit setting
Management and maintenance	<p>Web management support</p> <p>Telnet and SSH terminals</p> <p>System status monitoring</p> <p>NTP client with support for network synchronisation of device system clocks</p> <p>Support for import and export of configuration files</p> <p>Support for local and remote firmware upgrades, saving manpower and resources</p> <p>Network tools: Ping, Tracert</p> <p>Support Utek Device Management Cloud, batch operation, centralized management</p>

Appearance



Dimension



LxWxH=137x100x25mm

Ordering

R9607 Series

Model	<F>Communication Types & Modules	<W>WLAN	<S>Serial port type
R9607-FS	FDD-LTE:B1/B3/B5/B8 TDD-LTE:B34/B38/B39/B40/B41 WCDMA:B1/B5/B8 TD-SCDMA:B34/B39 EVDO:800MHz CDMA2000 EDGE/GPRS/GSM:1800MHz/900MHz	Wi-Fi	1 RS232, 1 RS485