



Gazelle R202i-VM | Manageable 4G Industrial Router

Product Overview

Raisecom Gazelle R202i-VM aims at providing solutions which satisfy the requirements for outdoor networking deployment scenarios, such as financial industry, environmental protection, transportation, postal industry, monitoring, military, meteorology, utility and residential areas. With Raisecom's industrial design, higher EMS level are tested to ensure the highest reliability for any harsh environment. It supports up to 1 GE uplinks, and 4 FE downlinks. The Gazelle R202i cellular 4G router is the most compact, simple and robust industrial 4G solution.

Highlights

- 4G modular support FDD-LTE(optional TD-LTE)
- Layer 3 static routing, dynamic routing, RIP, OSPF
- WLAN: support 802.11 b/g/n MIMO 2x2
- Dual Pop-up SIM card slots
- Optional GPS/Beidou receiver
- Up to 32GB optional built-in large capacity storage
- Support DTU function
- Support IPsec VPN
- Unique EoIP tunnel technology
- Wide operating temperature range
- IP40 protection level
- DIN-Rail & wall mountable design
- EMC reached industrial level 4
- MTBF>35 years

Specifications

Interface/Modules:

1*10/100/1000Base-TX electrical port

4*10/100Base-TX electrical ports

Console: 1*RJ45

Serial data transport interface:1*RS232/485 DB9 port

Dual Pop-up SIM card slots

1*SMA connector for GPS or BeiDou Antenna

2*SMA connectors for WLAN Antennas

2*SMA connectors for 3G/4G Antennas

Dimensions: 150(L)× 121(W) ×80(H) mm

Weight: 1.1Kg

Installation: DIN-Rail or wall mountable

Operating temperature: - 20 to 70°C

Storage temperature: -40 to 85°C

Humidity: 5% to 95%, non-condensing

Power supply (input Voltage): DC12V/24V (input range:9-36V

DC, over current protection)

- Power consumption: <15W

4G

- FDD-LTE and TD-LTE selectable
- CHAP / PAP and other authentication methods
- Support link automatic detection, automatic management, automatic repair function
- Support 4G/3G/2G network
- Support on-demand connections: SMS activation, activation by the local data traffic

- Support often online: a traffic warning function, SMS or mail notification

Internal Memory

- Optional 0/8/16/32GB

WLAN Access

- Support IEEE 802.11 b/g/n MIMO 2*2
- Support AP mode, client mode, bridge mode, repeater mode

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- 802.1x,PSK Authentication
- Encryption: support WEP, WPA, WPA2
- Support WMM priority management
- Support SSID management, network hiding

IP Services

- Static routing, dynamic routing, RIPv1/v2, OSPFv2
- Support multi-Protocol: ICMP, IP, TCP, UDP, DHCP, PPP, ARP, Telnet, DNS, HTTP, HTTPS
- Using self-developed connection detection mechanism, ensure that the network always online
- Support NAT and PAT
- Unique EoIP tunnel technology: L2 transparent transmission, point to multipoint and VLAN transparent transmission, convenient deployment
- MAC address binding
- DNS / DDNS, Support dynamic domain binding
- Port-based mirror
- Support web certification
- Support administrators authentication, local access user authentication and administrator certification
- Qos: session process limit; Port bandwidth limit, bandwidth adjustment; Traffic Identification;

Security

- VPN: supports standards-based IPSec VPN service, which supports encryption including DES, 3DES, AES, data verification methods including MD5 and SHA-1 Support L2TP/GRE VPN service
- Authentication: Pre-shared keys, digital certificates
- Firewall Policy: Stateful Packet Inspection (SPI), filtered multicasting, PING packet filtering to prevent

DoS attacks, set up different firewall policies

- Access control policy: control policy configuration, flexible control of TCP, UDP, ICMP packet access, support for traffic logs, system logs

Embedded Function

- Real-time clock: provide local precise time for the system
- Watchdog function: ensure the system never crash
- Running lights: POWER, SYS, 4G, WLAN, serial port status indicator

System Management

- Remote management via CLI, Telnet, Web GUI,SNMP v1/v2c/v3 and SSH v1/v2
- Local management via console interface
- Raisecom Nview NMS/EMS

Standard Compliance

- IEEE 802.1p (QoS/CoS Priority), 802.1x (Security)
- IEC61000-4-2 (ESD), 61000-4-3 (RS), 61000-4-4 (EFT), 61000-4-5 (Surge), 61000-4-6(RF transmission), 61000-4-8 (Power frequency magnetic fields), 61000-4-9 (Pulsed magnet field), 61000-4-10 (Damped oscillation), 61000-4-12/18 (Shockwave), 61000-4-16 (Common-mode conduction), 61000-6-2 (General industrial standard), 60068-2-6 (Anti-vibration), 60068-2-27 (Shock resistance), 60068-2-32 (Free falling)
- In compliance with CE and ROHS

Ordering Information

Model	Description
Gazelle R202i-VM-FL/FL-E	1*10/100/1000Base-TX electrical port and 4*10/100Base-TX electrical ports; Dual Built-In 4G modular, supports FDD-LTE 4G uplink;2 antennas for LTE and 2 antennas for WLAN; DC 12V/24V power supply (with an external 220V AC to 12V DC power adapter)

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