

IOT-R51W

Industrial 4G LTE cellular router supports virtual SIM and physical SIM, WLAN, RS485 IoT gateway



Outstanding Features

- Industrial 4G LTE Cat4 cellular router
- Working with most cellular carriers (Verizon, AT&T, T-Mobile) with bands at B1/B2/B3/B4/B5/B7/B8/B9/B12 /B13/B17/B18/B19/B20/B25/B26/B28/B66
- WLAN for hotspot or WAN
- 1 ethernet ports
- Also, act as an IoT gateway (DTU) with RS232 & RS485 ports
- Support virtual SIM (Cloud SIM) mode, flexible to switch from wireless carriers remotely.
- Also, support physical SIM card (higher priority when SIM card is inserted)
- DC 6 -48V inputs, max 6W

Specification

4G	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B17/B18/B19/B20/B25/B26/B28/B66 LTE TDD: B34/B38/B39/B40/B41
3G	WCDMA/HSPA: B1/B2/B4/B5/B8
GSM	GSM/GPRS/EDGE: B2/B3/B5/B8
Processor	Industrial grade 32-bit processor
DRAMCapacity	64MB (expandable to 128MB)
FlashCapacity	16MB(expandable to32MB)
Operating System	PanGu OS (Linux-based fully customizable)
SIM/UIMCard Interface	Standard drawout interfaceSupport 1.8V/3V SIM/UIMcardBuilt-in 15KV ESD protection
Serial port	5PIN terminal connectorHardware version.A: 1*RS232/RS485 (choose RS232 or RS485 as needed, can not be connected at the same time)Hardware version.B: 1*RS232、1*RS485
Ethernet interface	1*FE LAN 10/100Mbit/s adaptive, built-in 1.5KV magnetic isolation protection
Wi-Fi	Support IEEE 802.11n b/g/n 2.4GHzSupport AP/ClientmodeSupport open system, shared key, WPA/WPA2 authenticationSupport WEP/TKIP/AESencryption
Antenna	2 external antenna interfaces (standard SMA femaleconnector, 50 ohm characteristic impedance), 1 4G antenna, 1 WiFi antenna (optional)
LEDIndicator	PWR*1ETH*1SYS*1NET*1
Power Interface	Terminal power base, built-in power reverse phase protection and overvoltage protection
Reset Button	Through this button, the parameter configuration of the device can be restored to the factory value
Real Time Clock	Built-in RTC, battery powered
Standard Power Supply	DC 12V/1A
PowerSupply Range	DC 6~35V
Maximum Power Consumption	2.4W
Idleworking current	120mA@12VDC
Average WorkingCurrent	150mA@12VDC
Peak Operating Current	200mA@12VDC
Outer Casing	Metal casing, ingress protection rating IP30
Dimensions (W*D*H)	100mm * 78mm * 22mm(not including antenna and mounting parts)
Weight	210g
Operating Temperature	-30~+75°C
Storage Temperature	-40~+85°C
Relative Humidity	5~95%(anti-condensation)
Installation Method	Fixed wall bracket
Internet Access	APN, VPDN
Access Authentication	CHAP/PAP/MS-CHAP/MS-CHAPV2
LANProtocols	ARP, Ethernet
WAN Protocols	Static IP, DHCP, PPPoE
VLAN	Management VLAN
IP Application	Ping, Traceroute, DHCP Server/Client, DNS Relay, Dynamic DNS, Telnet, SSH, HTTP, HTTPS, TFTP, FTP, SFTP, NAT
IP Routing	Static routing, dynamic routing
VPN	IPsec, L2TP/PPTP, GRE, OpenVPN, N2N
Firewall	NAT, PAT, DMZ, Port MappingIP filtering, port filtering, MAC filtering
Link Backup	4G/3G/2G wireless network, Wi-Fi and wired ethernet switching
Link Detection	TCP/Ping heartbeat detection, VPN link detection,auto reconnect
QoS	Uplink and downlink bandwidth limitation
Embedded Watchdog	self-diagnostics, self-healing
DTU	Built-in software DTU function
Traffic Statistics	Real-time traffic statisticsMonthly traffic statisticsDatacap setting
Task Timer	Scheduled restart
SNMP	SNMP v1/v2
Configuration maintenance	Web managementTelnet and SSH terminalsSystem Status MonitoringNTP client, supports device system clock network synchronizationSupport remote management ofLinovision cloud telecommunications platformConfiguration import and exportNetwork tools: Ping, Tracert
Firmware management	Firmware upgrade, support local (HTTP/serial port) and remote upgrade
Event alarm	System log, application log

Dimension

