

IOT-R51W

Industrial 4G LTE Router with Virtual SIM, eSIM Router Supports RS232/RS485



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
- With RS232/RS485 and MQTT protocol, it can be used to remotely connect and control serial devices (such as IoT sensor, PLC machine, RS485 controller, etc) to IoT cloud from anywhere.
- Support virtual SIM (Cloud SIM) mode, flexible to switch from wireless carriers remotely.
- 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 connector Hardware version.A: 1*RS232/RS485 (choose RS232 or RS485 as needed, can not be connected at the same time) Support MQTT protocol
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 2.4GHZ Support AP/Client mode Support open system, shared key, WPA/WPA2 authentication Support WEP/TKIP/AES encryption
Antenna	2 external antenna interfaces (standard SMA female connector, 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
Power Supply Range	DC 6~35V
Maximum Power Consumption	2.4W
Idleworking Current	120mA@12VDC
Average Working Current	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
LAN Protocols	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 statistics Monthly traffic statistics Datacap setting
Task Timer	Scheduled restart
SNMP	SNMP v1/v2
Configuration Maintenance	Web management Telnet and SSH terminals System Status Monitoring NTP client, supports device system clock network synchronization Support remote management of Linovision cloud platform Configuration import and export Network tools: Ping, Tracert
Firmware Management	Firmware upgrade, support local (HTTP/serial port) and remote upgrade
Event Alarm	System log, application log

Dimension

