

MX4041R 4G Industrial Wireless Router

Features

- Supports multiple virtual networks VPN, VPDN, PPTP Client, L2TP Client
- Support domain name, IP access control, port mapping, DMZ host
- Network link backup, seamless switching between wired & 4G network
- Software and hardware watchdog anti-crash design ensures stable and reliable operation of the equipment
- IEEE 802.11 b/g/n 2T2R wireless speed up to 300Mbps
- Support hardware NAT acceleration
- Wide voltage design: DC 6V~36V (POE version optional)
- Adapt to harsh industrial working environment at temperatures of -40~70°C



Description

MX4041R industrial router uses industrial-grade materials, design, and technology to ensure robust communication under extreme conditions and strong interference conditions. The product provides RS-232 and RS-485 interfaces, 2 Gigabit Ethernet interfaces, and WiFi access.

It is an IoT gateway that supports a variety of local data access full-stack smart protocols. The device is loaded with WAN communication, VPN tunnel, WiFi LAN and other functions to realize seamless connection of wireless LAN, Ethernet, intelligent hardware and wireless WAN. Provide professional wireless communication guarantee for intelligent manufacturing, warehousing and logistics, transportation, electricity and other industries. This product is widely used in smart power, transportation, finance, industrial automation, intelligent buildings, fire protection, public safety, environmental protection, meteorology, agriculture, forestry, water affairs, coal mining, petrochemical and other fields.



Multiple Network

Supports network operators



High throughput

4G maximum transmission rate 150Mbps, WiFi 2.4G 300Mbps



Gigabit Ethernet

Supports Gigabit Ethernet



High stable WiFi

2.4G coverage, external high-gain antenna brings excellent WiFi signal



2x2 MIMO

Supports 2x2 MIMO standard



Wide voltage range

Wide voltage design, supports DC6V~36V (POE optional)



Easy Installation

Flexible installation design supports wall or rail installation



POE powered

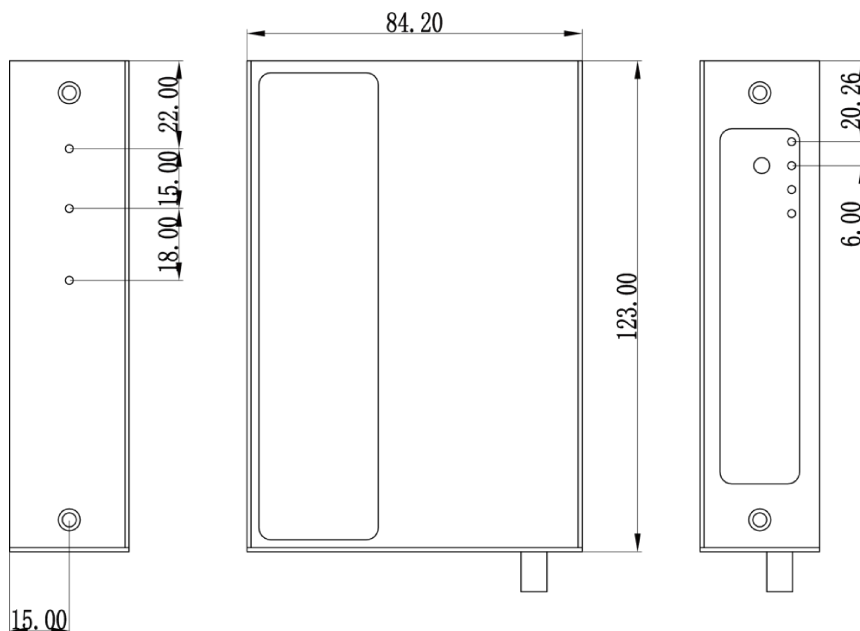
Supports 100-meter Ethernet POE power supply, which is convenient for deployment and networking

Specification

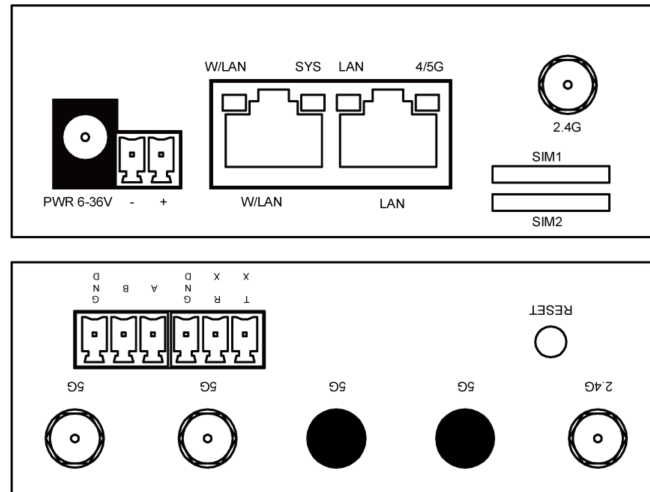
4G Module	
Standard & Frequency Band	TDD-LTE B38/B39/B40/B41; FDD-LTE B1/B3/B5//B8; TD-SCDMA B34/B39; UMTS/HSDPA/HSPA+; CDMA 1X/EVDO BCO; GSM/GPRS/EDGE 50/900/1800
CommunicationBandwidth (bps)	LTE: 150M(DL) / 50M(UL); TD-SCDMA: 384K(DL) / 128K(UL); HSPA+: 42M(DL) /5.8(UL)
WiFi Parameters	
Working Agreement	IEEE802.11a/b/g/n
Maximum Rate	300Mbps
Frequency Range	2412~2472MHz
Channel Width	20/40M
Operating Mode	Access point, client
Security Configuration	WPA-PSK, WPA2-PSK, WPA/WPA2-PSK, hidden SSID, IP/MAC filtering
Configuration Management	Support web configuration, remote IoT platform and SNMP management
Transmit Power	14dBm (±2dB)
Data Interface	
Ethernet Interface	1x 10/100/1000M adaptive WAN; 1x 10/100/1000M adaptive LAN.
Serial Port	1x RS-232; 1 x RS485
Hardware Interface	
Indicator Light	1x SYS; 1x 4G; 1x WAN; 1x LAN
Antenna Interface	2 x 4G SMA; 2 x WIFI SMA
UIM/SIM Card Interface	1.8V/3V standard Micro SIM usercard interface, built-in 15KV ESD protection
Reset Button	1x Reset
Power Interface	Standard DC interface 6~36V/3A; optional POE power supply
Electrical	
Power Supply	DC6~36V/3A, built-in power reverse protection
Max. Power Consumption (W)	<5W

Surge Immunity	POE/GE: common mode 4KV, differential mode 2KV
Electrostatic Discharge Immunity	Contact discharge: 6KV, air discharge: 8KV
Working Environment	
Operating Temperature	-40°C~70°C
Storage Temperature	-40°C~85°C
Installation Kit	4x antenna; 1x ceiling mounting kit; 1x 12V 3A adapter; 1x instruction manual; 1x certificate & warranty card
Software	
Network Access	APN, VPDN
Access Authentication	CHAP/PAP/MS-CHAP/MS-CHAP V2
Ethernet Software Features	Support IPv4, PPPoE, DHCP Server/Client, DNS, HTTP, LLDP, Proxy ARP, SMTP, SNMP v2c/v3, Syslog, TCP/IP, Telnet, UDP, GPS
DTU	Support TCP, UDP transparent transmission mode, TCP Server mode
Safety	Firewall: Stateful Packet Inspection(SPI), prevent Denial of Service (DoS) attacks, filter multicast/Ping detection packets, access control list(ACL), support NAT, PAT, DMZ, port mapping, virtual server, L2TP, PPTP, ARP protection attacks, DMZ (demilitarized zone), MAC address filtering
Configuration Management	Supports local or remote HTTP, Telnet, SSHD methods, supports local or remote WEB, TFTP upgrades, supports local system logs, status query, and restart

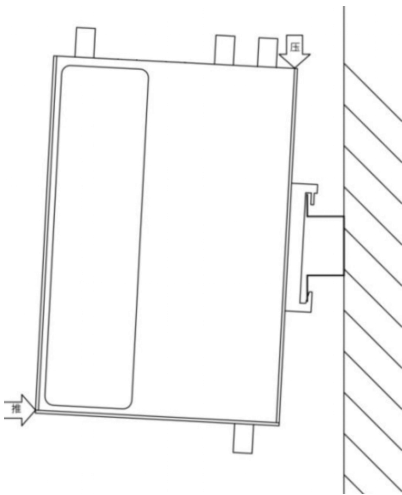
Dimensions



Connector



Installation



Hang the upper slot on the back of the device into the upper hook of the guide rail, and then press the device down toward the lower hook of the guide rail until it is stuck.

Application

