



LINBLE
力必拓

Mbedded 4G router module

M400-C1

—————Product specification —————

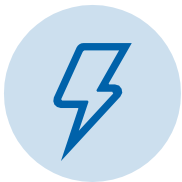
Product overview

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The multi-functional 4G industrial router module is a module supporting 3-port Ethernet, WIFI LAN (802.11 B/G/n) communication, serial DTU, and WAN 4G wireless communication functions, realizing seamless connection between wireless LAN and wireless WAN, and providing users with high-speed, safe, and reliable mobile broadband services. The camera can be fixed to transmit images through the 4G network to provide a stable and reliable network channel for various devices that need to be connected to the Internet. The Ethernet port, TTL serial port and WIFI are used to provide a variety of easy-to-use network access methods for customers' applications, which simplifies the network development needs to the greatest extent.

Support WEB configuration mode, convenient and simple management.

Application field



Electricity



Petroleum



Coal mine



Finance



Communication



Public security



Heat



Industrial Control



Weather



Water Conservancy



Traffic



Municipal



Product features

- 1, ultra-small size, length and width of only 38.0 * 43.5 * 7.5mm
2. 4G wireless communication module of MDM9X07 platform and ASR platform can be freely carried.
(MDM9X07 platform: CLM920 _ NC3, CLM920 _ TE3 ASR platform: CLM920 — JC3)
- 3, intelligent anti-drop, support online detection, drop automatic redial, to ensure that the device is always online
4. Support serial port data serial port TCP/UDP transparent data transmission
5. Support web software upgrade

Functional overview

Software function

The way to surf the Internet	4G dial-up DHCP/Static P
Number of users supported	Wired: 253, Wireless: 30
Operating system requirements	Windows XP/V STA Linux 2.6 Windows 7 and above MAC OS: 10.3.7 and above
Browser requirements	E: 6.0 and above Safari: 1.2.4 and above Firefox: 2.0.0.8 and above
Network	Networking mode: 4G/DHCP/Static IP LAN: DHCP server Mobile network: network selection mode, APN setting WiFi: management 2.4 Wireless network client: number of user connections
Firewall	WIFI MAC filtering: blacklist and whitelist access DMZ: When the open port of the virtual server to be set is uncertain, it can be set as a DMZ host Port forwarding: The wireless router can automatically open the inward service port according to the port of the LAN accessing the Internet. Security settings: security settings on the firewall, filtering data packets MAC/IP/Port filtering: Networks are protected from viruses, worms, and malicious activity on the Internet
Application setting	PING Detect Network: Increase Mobile Data Connection Stability Serial port passthrough: Realize serial port data passthrough, AT command control and other functions Automatic restart settings: To maintain the stability of the device, you can set the device to restart automatically
Management equipment	Account management: modify login account and password Time setting: You can set the time zone and whether to enable the function of synchronizing to the network time. Telnet service: After enabling, you can connect the device through the Telnet tool. Remote diagnosis: QXDM can capture log after NC3/AC3/JC3 module is filled with correct IP Firmware update: Upgrade the firmware. Please obtain the firmware version through technical support. Restart the device: Restart the device

Hardware parameters

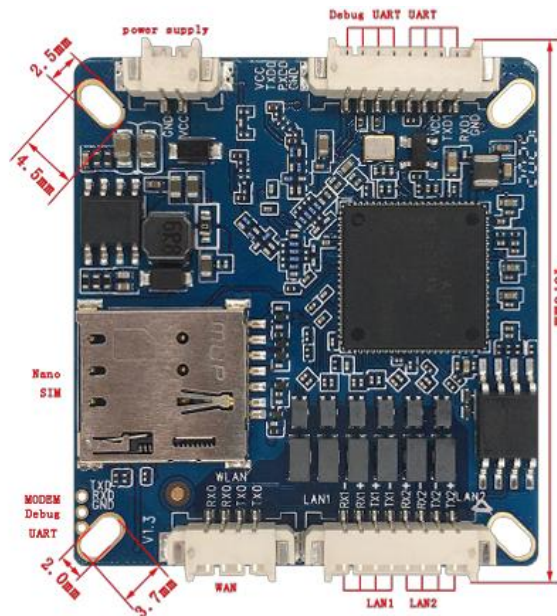
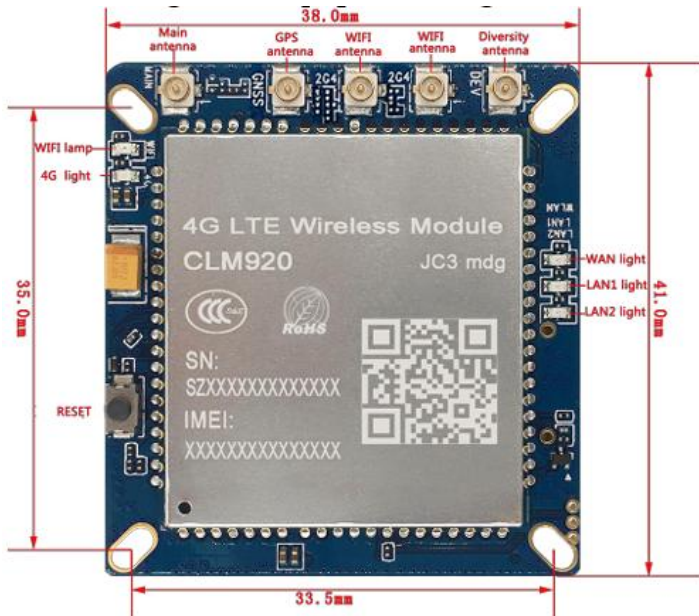
Wireless interface	EEE802.11b/g/n
Operating frequency band	2400 - 2483.SMHz
Antenna	PEX1 generation bus
W F transfer rate	150-300Mbps(MAX)
External interface	LAN ports: 3 (LAN1 is (WAN/LAN adaptive) TTL interface: 1 reset S M card slot: 1 Antenna interface: 1-4 (optional) Indicator lamp: 5 Terminal power supply interface: 1 Key: 1
Frequency band supported (optional)	CLM920 _ NC3 (with 4G module) LTE B1/B3/B5/B8/B38/B39/B40/B41 UMTS/HSDPA/HSPA+ B1/B3/B5/B8 CDMA 1X/EVDO BC0 GSM/GPRS/EDGE 850/900/1800 CLM920 _ TE3 (with 4G module) LTE B1/B3/B5/B7/B8/B20/B38/B39/B40/B41 WCDMA B1/B5/B8 GSM/GPRS/EDGE 850/900/1800 CLM920 _ C3 (with 4G module) LTE B1/B3/B5/B8/B38/B39/B40/B41 WCDMA B1/B5/B8
Storage memory	Store 8 MB Memory 64MB
Overall dimensions	Length, width and height: 38.0 * 43.5 * 7.5mm (fixed hole installation)
Power source	DC power supply: 6-25V/3A
Power consumption (current)	Small thousand 400mA
Work environment	Operating temperature: -20 ° C ~ + 70 ° C Storage temperature: -30 ° C ~ + 80 ° C

Interface description

Interface specification

Side a,

side B



- 1、 The DC power supply voltage range is 6V to 25V, and it is recommended to use a matching power adapter
- 2、 Support LTE network indicator light, flashing when there is no card or unregistered, normally on when registered.
- 3、 Support WAN and LAN network port indicator light and WiFi indicator light.
- 4、 WAN port can be configured as WAN or LAN function on the page
- 5、 Support Factory reset button
- 6、 Please clear the browser's browsing history before using the WEBUI management function

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