

4G Wireless Remote Monitor Management Solution

Key Features



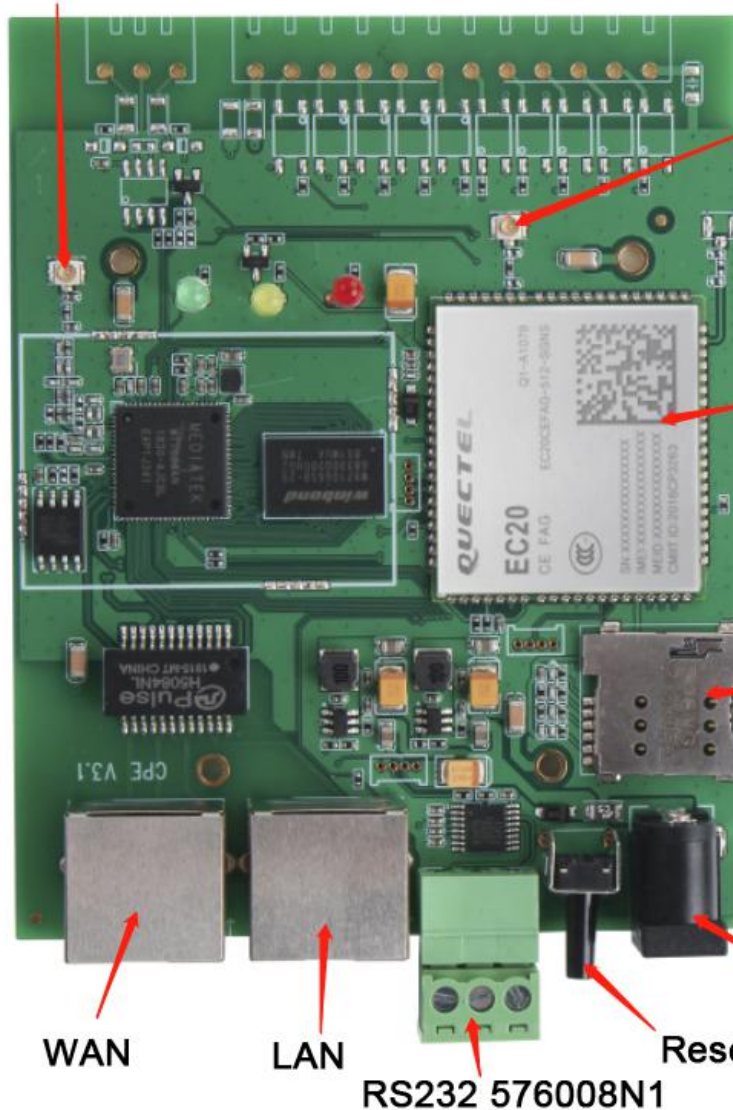
- 32-bit industrial processor and industrial communication module;
- 12V DC power input, Wide voltage input design 6 ~ 12V;
- WAN/RS232/RS485 interface, Built-in ESD protection;
- Support VPN - PPTP, L2TP, IPSEC, GRE;
- Support Micro SIM Card, Adopt anti dropping line mechanism;
- Support 4G LTE FDD, TDD and 3G Cellular data network band;

Technical parameters

Product	4G remote wireless solution
Model	MC4G-MTU-F
Processor	Integrated MT7688 processor
RAM	128MB 16-bit DDR2
Flash	SPI 128Mbit
Wireless	2.4GHz 802.11n IEEE 150Mbps
	External detachable high-sensitivity WIFI antenna
Interface	
WAN	1CH 10/100Mbps,MDI/X Adaptive,Built-in 1.5KV electromagnetic isolation protection
LAN	1CH 10/100Mbps,MDI/X Adaptive,Built-in 1.5KV electromagnetic isolation protection
SIM	1CH SIM Card Interface Support 1.8V/3V SIM/UIM Card,Built-in 1.5KV ESD protection
Power interface	Standard DC interface,Built-in power reverse protection
RESET	1CH pinhole reset button
Antenna interface	2 x Standard SMA antenna interface,CharacteristicImpedance 50Ω
Indicator light	PWR System status indicator x 1
	4G Status Indicator x 1
	WIFI Indicator light x 1
Power input	
Standard power supply	6-12VDC/1A
Power supply range	6~12VDC
Power consumption	<450mA (12V)
Shell	Galvanized material, laser cutting, silk screen printing powder
Size	98mm*82mm*21mm (Does not include antennas and mountings)
PCB Size	97mm*77mm*14mm
Work environment	

Working temperature	-45℃ to 85℃	
Working humidity	10% to 85% RH Non-condensation	
Storage humidity	5% to 85% RH Non-condensation	
WIFI Specifications		
Wireless standards	IEEE 802.11b/g/n	
Frequency band	2.412 – 2.4835GHz	
Wireless	2.4GHz Channel selection	1 – 11 channel
	Bandwidth Selection 20MHz / 40MHz	
Transmit Output Power	22dBm	
Receive sensitivity	-70±2dBm @ 54Mbps	
Security / Encryption	WEP/WPA/WPA2	
4G Specification of Wireless Module		
Radio Band	LTE-TDD:B38/B39/B40/B41	
	LTE-FDD:B1/B3/B5/B8	
	WCDMA:B1/B8	
Data Rate	LTE FDD Downlink 150Mbps / Uplink 50Mbps	
	LTE TDD Downlink 130Mbps / Uplink 35Mbps	
	WCDMA Downlink 3.8Mbps / Uplink 3.8Mbps	
Software function (openwrt system)		
WAN	Support IP, DHCP, L2TP, PPTP, PPPoE, 3G/4G	
	Support 4G/Network Dual-link Intelligent Switching Backup Function	
	Supporting link detection, sending heartbeat detection packet detection, dropping line automatic connection	
WIFI	Support Client, AP,Router	
	Support WPA/WPA2 Encryption mode,MAC Address filtering	
VPN	Support VPN Client PPTP / L2TP / IPsec / GRE	
Remote management	SSH / HTTP	
	Support local and remote online upgrades, import and export configuration files	
Other Function	Support APN/VPDN	
	Support NTP	
	Support VLAN, MAC Address Cloning	
	Support Multiplexing DHCP Server,DHCP Client, DHCP Binding MAC Address, DDNS, firewall, DMZ,Host traffic statistics and other functions	
	Support TCP/IP, UDP, FTP（Optional）, HTTP	
	Support SNMP V1, V2, V3	

WiFi IPEX



4G IPEX

4G

Micro SIM

6-12V 1A

WAN

LAN

RS232 576008N1

Reset

4G remote wireless solution

