

H20 4G Router Spec

H20 4G mobile router is a kind of internet of things wireless communication router, use FDD/TDD-LTE 4G mobile broadband network type to provide convenient and high speed net transmission function,

This series of products use high performance industrial 32 bit communication processor, flush bonding real-time operation system as software supporting platform, provide save, high speed, stable 4G wireless router net, it's a wireless router with 2 Ethernet port RJ45 and communication serial port.

It can be used in finance, postal, smart power grids, smart transportation, environment monitor, fire protection monitor, security, water conservancy, public safety, advertising release, industrial control,, earth quake monitor, meteorological watch, instrument monitor.etc



Features

Industrial Design

Use high performance industrial wireless module
 Use high performance industrial 32bit processor
 Support low power consumption mode customized,

Use plate metal CRS shell, heat dissipation is good

Power source:5V~28V

Network characteristic

Port flow detection
 Link real time monitoring
 VPN: (PPTP、 L2TP、 IPSec、 VPN)
 Serial port DTU function supporting
 Support dial as required(audio, SMS or data trigger)
 Support UPnP support UPNP

Stability

Use soft hardware watchdog and multi-level link detection , with capability of fault automatic diagnosis, automatic recovery, ensure equipment to work in stable and safe way.
 Multiple equipment self-checking mechanism.
 ESD protection for each port, prevent static shock

Remote management

- Long-distance parameter configuration
- Long-distance parameter backups
- Long-distance restart and log query
- Long-distance equipment upgrade
- Equipment online monitoring

High Performance

Support 4G LTE – FDD/TDD, downward compatible to WCDMA, GSM, EDGE, GPRS
 Support 2XLAN, provide standard RS232/485 serial port, support DTU function.
 Support hardware WDT, provide anti-log off mechanism, ensure data terminal online forever
 Support PPTP, L2TP and GRE protocol
 Support DHCP, DDNS, firewall, NAT and DMZ
 Support wired and wireless network mutual backups

- Support ICMP, TCP, UDP, Telnet, SSH, FTP, HTTP, HTTPS
- Support standard industrial SIM/UIM card
- Support WAN port, wired and wireless network mutual backups (optional)
- Support 802.11n(optional)
- Support extend GPS function(optional)

Details**Wireless parameter**

Type: Industrial wireless module
 Cellular bands: FDD-Band 1 / 2 / 3 / 5 / 7 / 8 / 20 / 28 (Band 1 / 2 / 4 / 5 / 7 / 8 / 12 / 13 / 17 / 25 / 26)
 TDD- Band 38 / 39 / 40 / 41

Theory bandwidth: FDD-DL:100Mbps UL:50Mbps (Category 3)
 TDD-DL:61Mbps UL:18Mbps (Category 3)

Receive sensitivity: -97dBm @10MHz QPSK

Transmitted power: 23dBm+/-2dB @25°C

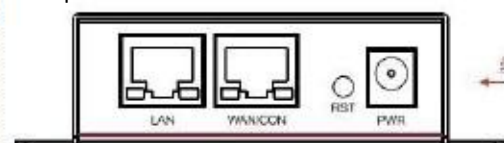
Receive sensitivity: -97dBm @10MHz QPSK

Interface type

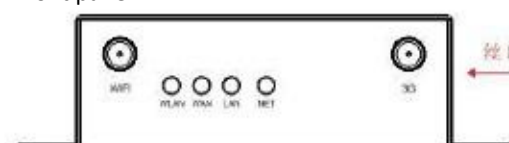
LAN: 1 ethernet interface(9RJ45), self-adaption MDI/MDIX, built-in electromagnetism insulation blocking
 WAN/serial Port: 1 communication serial port and WAN port multiplex, suitable for equipment with RS232 or RS485 interface
 Indicator light: 4 indicator light, "WLAN"、"WAN"、"LAN"、"NET, NET is three-color light
 Antenna interface: 1 standard SMT antenna interface(3G/4G),characteristic impedance 50
 SIM/UIM interface: SIM/UIM card cover,
 Power interface: 5V-28V (DC 12V/1A or DC5V/2A) , built-in power instant overvoltage protection
 Reset: By pressing this button, the parameter of router return to factory setting

H20 interface drawing

Back plate



Front panel



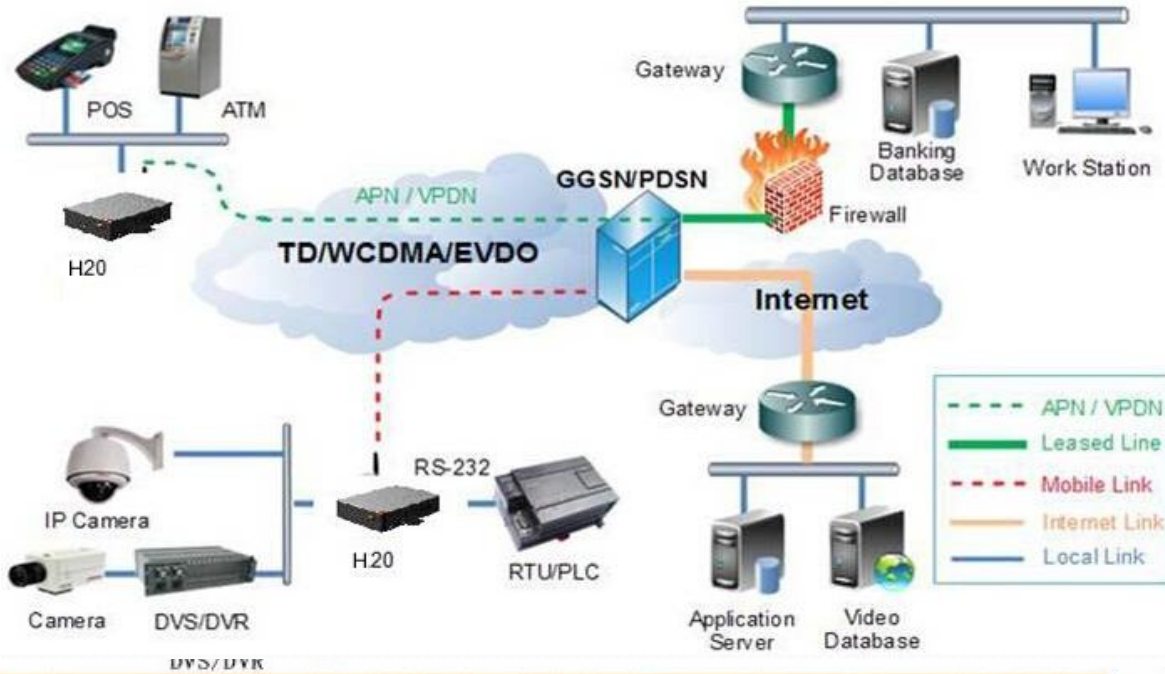
Power supply

Standard power source : DC 12V/1A ,
optional DC 5V/2A

Appearance

Housing: Metal
Dimension: 102.5×73.5×25.5mm
Weight: about 450g

- Working temperature: -30 ~ +70°C
- Extended temperature: -40 ~ +85°C
- Storage temperature: -40 ~ +85°C
- Relative humidity: 95%



Product list

H20	WCDMA	EV-DO	TD	4G	customized
LAN	●	●	●	●	○
WIFI-802.11n	○	○	○	●	○
WAN	○	○	○	○	○
HSDPA	○	-	-	-	○
HSPA	●	-	-	-	○
EV-DO	-	●	-	-	○
TD-Scdma	-	-	●	-	○
FDD-LTE	-	-	-	●	○
TDD-LTE	-	-	-	●	○
RS232	●	●	●	●	○
RS485	○	○	○	○	○
Refer NO:	H20-Wa2T	H20-E12T	H20-T12T	H20-FA2T	