

H7920

Cellular Router



Overview

The H7920 cellular router is based on 4G wireless network and supports wired/wireless network backup. It has high reliability and can be easily networked for large-scale distributed industrial applications. Therefore, it can be widely used in smart express cabinets, bank ATM machines, POS machines, self-service vending machines, advertising machines, inquiry machines, queue machines, coupon self-service printers and other self-service terminal industries.

OS

HongdianOS

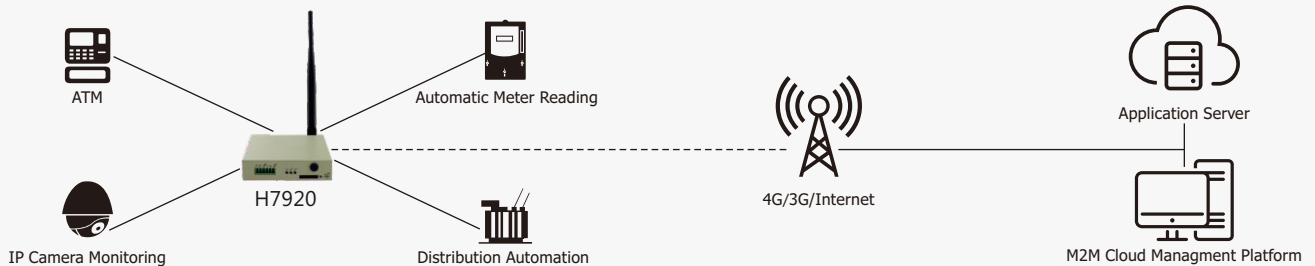
4G

4G-LTE

Features

- 3G/4G/5G-ready
- 1×LAN, 1×RS485/RS232
- HongdianOS+SDK
- Embedded watchdog, auto recovery
- Rugged industrial design for 24×7 connectivity
- Support 3G/4G cellular data transmission
- Management and maintenance via web/CLI/SNMP/Wedora

Diagram Scheme



Specification (* Indicates special edition supported)

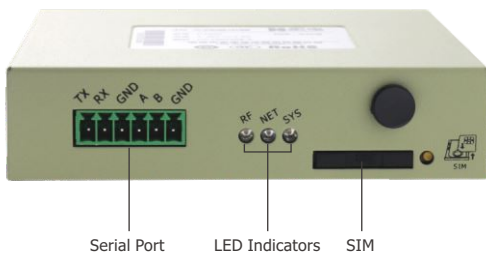
Network			
Cellular	LTE/WCDMA(HSPA+)/EDGE/GPRS	Band	Worldwide complied
LAN	ARP, ethernet	Authentication	CHAP/PAP/MS-CHAP/MS-CHAPV2
Internet Access	APN, VPDN		
Network Protocols		Integration	
IP	DHCP server/client/relay, DNS relay, IPv6	DTU Function	Modbus TCP (Slave/Master) Standard TCP/UDP transparent transmission TCP/UDP agency (LAN Connection DTU)
Routing	Static routing, policy routing, optional RIP, OSPF and BGP		
Others	ICMP, DDNS, VLAN		
Security			
Two Level Authority	Full authority/read-only user	Firewall	NAT, PAT, DMZ, port forward IP/domain/MAC Filter Access control list (ACL)
Digest Authentication	Anti CSRF		
AAA	Radius, TACACS+		
Reliability			
QOS	Control of bandwidth	Auto-Recovery	LCP, Heartbeat Package link maintenance ICMP detection, self-diagnostic, auto-recover
Watchdog	Hardware watchdog		
Device Management			
Configuration	HTTP, Telnet, SSH, SMS SNMP V1/V2/V3, SNMP TRAP Hongdian Wedora cloud platform	Upgrade	Local upgrade WEB/TFTP/FTP Hongdian Wedora cloud upgrade
Reboot	Local, remote reboot, scheduled reboot	Diagnostic	Ping, Traceroute
Syslog	Local/remote Log User login, operation log record in Wedora cloud platform *	Wedora Cloud Platform	Centralized M2M platform Traffic statistics Report statistics Location management Group management IPFix package capture for analyze * Alarm by email Device/platform log record Batch config/upgrade Bandwidth utilization monitor * Data usage statistic Secure remote access to application device
Data Flow Monitoring	Bandwidth utilization monitor on device GUI		
Activation Mode	Activate by data Activate by SMS Scheduled online/offline		
SMS Management	Send/receive SMS from GUI to change data plan Authorized cellular number to configure or control router		
Interface			
Ethernet Ports	1×LAN 10/100Mbps ethernet ports	Serial Port (115200bps)	1×RS485 (Rate is configurable) 1×RS232(Optional, Rate is configurable) RS232: TXD, RXD, GND RS485: A, B ESD: 15KV
SIM Card Slot	1.8V/3V		
Reset	Pinhole reset button		
Antenna	SMA-K 4G×1 Reserved antenna interface×1		
Mechanical			
Installation	Wall mounted	Dimension (mm)	100×98×23
Housing	Metal	IP Level	IP30
Cooling	Fanless	Weight	About 295g
Power		Environment	
Input	+5V~+36V DC	Relative Humidity	<95% (Non-condensing)
Idle	100mA@12V DC	Storage	-40 ~ +85°C
Working	350mA@12V DC	Working	-35 ~ +75°C
Indicators		Certificated and Approved by	
LED Indicators x 3	SYS, RF, NET	CE, FCC, RoHS, IC, UL, EMC, VCCI, MIC, EAC+FSB, ANATEL, RCM, NBTC, PTCRB	
Device Reliability			
Impact	IEC60068-2-27	Free Fall	IEC68-2-32
Crash	IEC68-2-29	Vibration	IEC68-2-6, JT/794

Specification (* Indicates special edition supported)

EMC			
EDI	EN61000-4-2, level4	PFEMS	EN61000-4-3, level3
EFTBI	EN61000-4-4, level4	RF Induced Conductivity	EN61000-4-6, level3
EMF	EN61000-4-8, >level4		

Appearance Dimension

FRONT



BACK

