

Specification

Physical

Network	LTE-A/LTE HSPA/UMTS EDGE/GPRS	Hardware System	MIPS 580MHz CPU 128Mb Flash 512Mb DDR2 RAM Hardware Watchdog
Interface	3x 10/100M Ethernet Port (2x LAN, 1x WAN Configurable,) 1x RS232(TTL Optional), 1x Rs485 2x IO 2x SIM Slots 1x DC Power Socket(DC5.5*2.1mm) 1x DC(5.08mm 2 Pins plugs) 1x Passive PoE(power up through LAN port, not compatible with IEEE 802.3af/at) 2x SMA-K(Female) 4G Antenna 2x SMA-RP Wi-Fi Antenna 1x SMA-K GNSS Antenna(Optional)	GPS(Optional)	GPS Sensitivity: -160dBm GPS Accuracy: 2.5m CEP Update Rate: 1Hz@5Hz Time to First Fix: Cold Status 27s, Hot status 1s. Protocol: NMEA-0183 2.3V
LED Indicators	P(Power), S(System), H(Good Signal), L(Poor Signal), Ethernet LED	Wi-Fi(Optional)	IEEE 802.11 b/g/n 300Mbps(2T2R) Output Power 11n HT40 MCS7: 15dBm, 11b CCK: 18dBm, 11g OFDM: 15dBm Sensitivity 300Mbps: -65dBm 54Mbps: -73dBm 11Mbps: -86dBm
Consumption	Voltage: DC +9~48V (standard 12V/1.5A power adapter) SIM/R-UIM Card: 1.8V/3V Idle: 120mA@+12VDC Online (Without Wi-Fi): 165mA@+12VDC (with Wi-Fi) 195mA@+12VDC	Other	Galvanized metal with grounding ScrewDimension: 98mm x 98mm x 32mm (not including antenna) Weight: 310g (not including accessories) Operation temperature: -30~+75℃ Store temperature: -40~+85℃ Related humidity: 0~95% (non-condensing) Guarantee: two years
Compliance	FCC CE RoHS CCC	Package Content	1x WL-R320 Router 2x Wi-Fi antenna 2x 4G Magnetic antenna 1x Ethernet Cable 1x Power Supply Adapter

Software

Operating System	WLINK OS based Linux	Firewall	NAT/DMZ Port Map IP Filter Mac Filter Key Word Filter Domain Name Filter
Network Protocol	PPPoE, UDP, TCP, ICMP, NTP, DHCP, Modbus TCP,HTTP/HTTPS, UPNP, SNMP, DDNS,Telnet/SSH, MQTT	Network Monitoring	ICMP Check Traffic Check Traceroute Data Capture Bandwidth Graph Data Traffic Graph
VPN	OpenVPN : TLS1.2, Encryption as DES, RC2, BF, 3DES, CAST5,AES,SEED 45 encryption methods PPTP/L2TP : Client mode, L2TPv3 supported GRE : CRE Tunnel IPSec : IKEv1, IKEv2, DES, 3DES, AES128, AES192, AES256 multiple encryption methods supported.	Network Features	WAN/4G Load Failover/Load Balance Band Lock Bandwidth Management IGMP Proxy Static/Dynamic Routing Source Address/Port Routing Real-time network Traffic Graph Terminal Bandwidth Graph CPU/Memory/Data Monitor Graph
Router Management	Local/Remote GUI Telnet/SSH	WLAN Mode	IEEE 802.11b/g/n, WISP and Client modes WiFi usersup to 128 simultaneous connections Wi-Fi Hotspot Wireless Black/White List Coova Chilli Push WiFi Client mode supports 3 Peer SSID, Signal Lock, BSSID Lock
SMS Management	Router Information Query SIM Information Query Router Status Query Signal Query SMS Configuration	WiFi Security	WEP WPA Personal/Enterprise WPA2 Personal/Enterprise WPA/WPA2 Personal/Etnerprise AES, TKIP, Auto Cipher modes