



# Shenzhen Huachuangyilian Electronics Co., Ltd.

ADD:No. 99, Langkou Industrial Zone, Dalang Street, Longhua District, 518109, Shenzhen. China

WEB: [www.hcl-china.com](http://www.hcl-china.com)

## 4G LTE Wireless Router

Model: HC318

HC318 is a wireless communication product developed based on 4G network requirements. The WiFi wireless rate is up to 300Mbps, which can meet the needs of stable, safe and simple Internet access of small networks such as offices and homes. It can also be applied to the Internet of Things communication industry, providing users with wireless long-distance data monitoring, collection and transmission functions. Full netcom 4G network access, fully compatible with 4G/3G/2G networks, equipped with 3 10/100M adaptive Ethernet LAN interface, and the internal LAN connection; One 10/100m adaptive Ethernet WAN interface to provide wired broadband access.



### Product Technical Specifications

Product Parameter	
Hardware Information	
Chip	MTK7620N
Main Frequency	580MHz
Wireless Protocol	IEEE802.3, IEEE802.3u
RAM	64MByte DDR2
Memory/Flash	8MB
Interface	1* 10/100Mbps WAN Adaptive network interface 1*10/100Mbps LAN Adaptive network interface 1*SIM card slot(Standard SIM card)
Antenna	2pcs*2.4G 5dbi omni-directional antennas 2pcs*4G 5dbi omni-directional antennas
Power Consumption	<12W
Button	1 Reset button (Restore the factory settings)
Indicators	POWER, WIFI, 4G, WAN, LAN1, LAN2, LAN3, Internet

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Product Size/Weight	185*145*28mm/0.45kg
Wireless Information	
Wireless Protocol	802.11b/g/n: 2.4~2.4835GHz
Modulation Mode	11b: DSS:CCK@5.5/11Mbps,DQPSK@2Mbps,DBPSK@1Mbps 11: OFDM:64QAM@48/54Mbps,16QAM@24Mbps,QPSK@12/18Mbps,BPSK@6/9Mbps 11n: MIMO-OFDM:BPSK,QPSK,16QAM,64QAM
Transmission Rate	11b: 1/2/5.5/11Mbps 11g: 6/9/12/18/24/36/48/54Mbps 11n: up to 300Mbps
Reception Sensitivity	11b: <-84dbm@11Mbps 11g: <-69dbm@ 54Mbps 11n: HT20<-67dbm HT40: <-64dbm
Transmission Power	11b: 18dBm@ 1~11Mbps 11g: 16dBm @ 6~54Mbps 11n: 15dBm@ MCS0~7
Wireless Security	WPA/WPA2 Security mechanism (WPA-PSK USE TKIP OR AES)
Software Features	
Working mode	4G Access, routing mode, and AP mode
The load quantity	32 pcs
Management style	WEB management
The state	System status, interface status, and routing table
Wireless Configuration	WiFi Basic Parameter configuration/Blacklist
Network Settings	Working mode LAN Port/WAN Address set
Traffic Assistant	Traffic statistics/package Settings/traffic control
System	System properties/Password change/Upgrade backup/system logs/restart
Setup Wizard	Quick Configuration Wizard



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## Others

### Work Environments

Operating Temperature: -20°C ~ 70°C

Storage Temperature: -40°C ~ 70°C

Operating Humidity: 10%~90% non-condensing

Storage Humidity: 10%~90% non-condensing