



# Chateau LTE12

Your best friend when it comes to mobile networks.

Amazing in the hands of seasoned system administrators.  
Or in a household with zero IT skills. Or anything in between.

**Chateau can do it all.**

*You can connect two external LTE antennas (not included) for an even stronger signal!*

*Perfect for secure remote work, VPNs, and reliable home networking!*

**New modem by Quectel: added 4x4 MIMO  
for more bands: 1/3/7/38/40/41**



5X GIGABIT  
ETHERNET PORTS



FAST AND RESPONSIVE  
LTE CATEGORY 12 MODEM



MOBILE CONNECTIONS  
UP TO 600 MBPS



POWERFUL  
QUAD-CORE  
ARM CPU



STRONG DUAL-BAND,  
DUAL-CHAIN RADIO  
FOR MAXIMUM COVERAGE



CONTAINER  
SUPPORT

## Remove the bottleneck in your mobile internet setup

Are you tired of ISP or operator-issued routers that limit your speed and coverage? Chateau LTE12 is the solution, delivering faster, more reliable mobile internet, whether you are in the city or the countryside. With carrier aggregation and expanded 4x4 MIMO support, you'll experience:

- Faster speeds in crowded areas
- More stable connections in remote locations
- Wider coverage across multiple LTE band



### New and improved LTE connectivity:



#### Upgraded LTE12 modem

for stronger, reliable connections.

Now with B32 support for improved LTE performance in supported regions!



#### Expanded 4x4 MIMO support on more bands:

**1 / 3 / 7 / 38 / 40 / 41**



#### Dual-band Wi-Fi for seamless performance

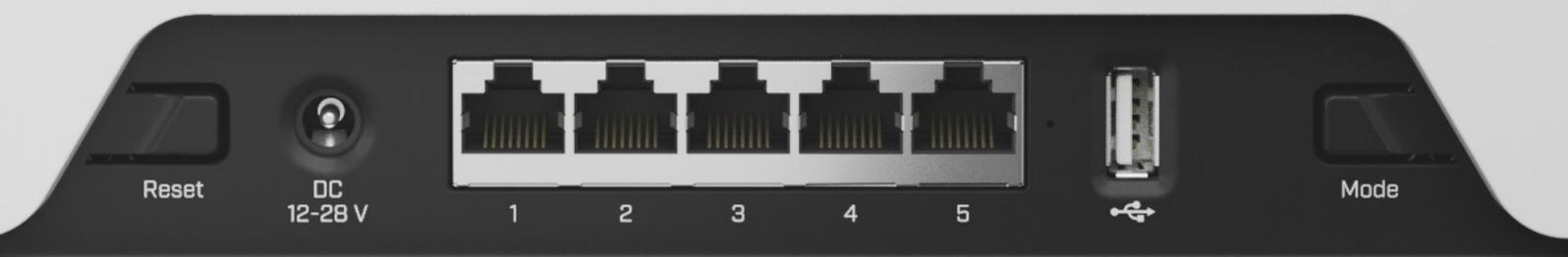
across all devices

## Built for homes and businesses

- **5x Gigabit Ethernet ports** to connect media servers, PC towers, TVs, or smart home systems.
- **Dual-band Wi-Fi (2.4 GHz & 5 GHz)** ensures stable connections for all your devices.
- **External LTE antenna support** (not included) to boost signal strength in tricky signal areas.
- **RouterOS for advanced security, VPNs, and full network control.**

### Stay ahead of connectivity challenges with the improved Chateau LTE12.

Powerful, secure, and designed to keep you connected—anytime, anywhere!



## • Specifications

Product code	D53G-5HacD2HnD-TC&EG120K-EA
CPU	Quad-Core IPQ-4019 448-896 MHz (auto)
CPU architecture	ARM 32bit
Size of RAM	256 MB
RAM type	DDR3L
Storage	32 MB, Flash
Number of 1G Ethernet ports	5
USB port	1 (2.0 type A)
Switch chip model	IPQ-4019
Wireless interface model	IPQ-4019 (2.4 GHz), IPQ-4019 (5 GHz)
Wireless	2.4 GHz 802.11b/g/n dual-chain, 5 GHz 802.11a/n/ac dual-chain
Antenna gain	2.4 GHz - 2 dBi, 5 GHz - 4 dBi
LTE category	12 (600Mbps Downlink, 150Mbps Uplink)
Modulation	256QAM (Downlink), 64QAM (Uplink)
LTE modem	EG120K-EA
TAC	86056104
MIMO DL	4x4
MIMO UL	1x1
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz) / 32 (1500 MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G Bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
Dimensions	240 x 156 x 44 mm
Operating system	RouterOS v7, License level 4
Operating temperature	-20°C to +70°C

## • Wireless specifications

Rate (2.4 GHz)	Tx (dBm)	Rx (dBm)	Rate (5 GHz)	Tx (dBm)	Rx (dBm)
1MBit/s	25	-100	6MBit/s	26	-96
11MBit/s	25	-94	54MBit/s	22	-80
6MBit/s	26	-95	MCS0	26	-96
54MBit/s	23	-78	MCS7	21	-75
MCS0	26	-96	MCS9	19	-70
MCS7	22	-73			

## • Powering

Number of DC inputs	1
DC jack input Voltage	12-28 V
Power adapter nominal voltage	24 V
Power adapter nominal current	1.2 A
Max power consumption without attachments	18 W
Max power consumption	24 W

- **Supported 2×CA (UL) LTE bands** (Intra-band contiguous only)

B3+B3	B38+B38
B5+B5	B40+B40
B7+B7	B41+B41
B8+B8	

- **Supported 2×CA (DL) LTE bands**

B1+B1/B3/B5/B7/B8/B20/B28/B38/B40/B41	B28+B32/B38/B40/B41
B3+B3/B5/B7/B8/B20/B28/B38/B40/B41	B38+B38
B7+B7/B8/B20/B28/B32	B40+B40
B20+B32/B38/B40	B41+B41

- **Supported 3×CA (DL) LTE bands**

B1+B1+B5/B7/B28	B3+B8+B38/B40	B8+B40+B40
B1+B3+B3/B5/B7/B8/B20/B28/B38/B40/B41	B3+B20+B38	B8+B41+B41
B1+B5+B7/B38/B40	B3+B28+B38/B40/B41	B20+B38+B38
B1+B7+B7/B8/B20/B28	B3+B38+B38	B20+B40+B40
B1+B8+B38/B40	B3+B40+B40	B28+B40+B40
B1+B40+B40	B3+B41+B41	B28+B41+B41
B1+B41+B41	B5+B7+B7	B40+B40+B40
B3+B3+B5/B7/B8/B20/B28/B40/B41	B5+B40+B40	B41+B41+B41
B3+B5+B7/B38/B40	B7+B7+B8/B20/B28	
B3+B7+B7/B8/B20/B28	B7+B20+B32	

- **Supported DL 4×4 MIMO LTE bands**

LTE-FDD	B1/B3/B7
LTE-TDD	B38/B40/B41

- **Included parts**



24 V 1.2 A  
power adapter



UTP Flat  
Cable (1.5m)