



# 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**



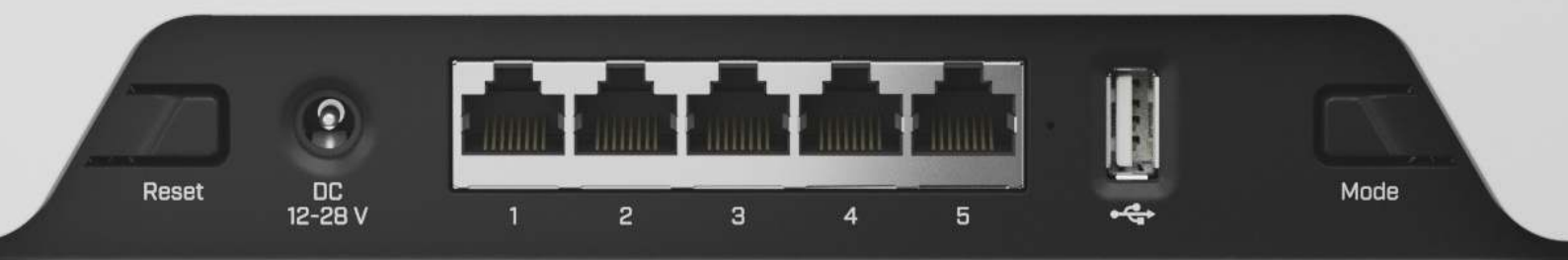
**Dual-band Wi-Fi for  
seamless performance**  
across all devices

## 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** (SMA female ports) 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                                                                                 |
| Antenna connector           | SMA female                                                                                                     |
| 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         |             |

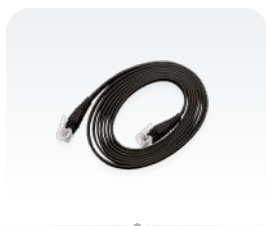
- Supported DL 4×4 MIMO LTE bands

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

- Included parts



24 V 1.2 A  
power adapter



UTP Flat  
Cable (1.5m)