MIKROTIK

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:

12

Upgraded LTE12 modem for stronger, reliable connections.
Now with B32 support for improved LTE performance in supported regions!

4x4 MIMO

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)
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-95
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

Rate (5 GHz)	Tx (dBm)	Rx (dBm)
6MBit/s	26	-96
54MBit/s	22	-80
MCS0	26	-96
MCS7	21	-75
MCS9	19	-70

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

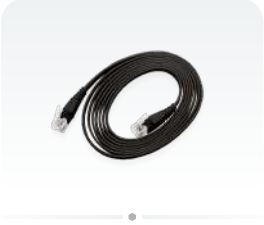
B1+B1+B5/B7/B28	B3+B8+B38/B40	B8+B40+B40
B1+B3+B3/B5/B7/B8/B20/B28/B38/B40/B41	B3+B20+B38	B8+B41+B41
B1+B5+B7/B38/B40	B3+B28+B38/B40/B41	B20+B38+B38
B1+B7+B7/B8/B20/B28	B3+B38+B38	B20+B40+B40
B1+B8+B38/B40	B3+B40+B40	B28+B40+B40
B1+B40+B40	B3+B41+B41	B28+B41+B41
B1+B41+B41	B5+B7+B7	B40+B40+B40
B3+B3+B5/B7/B8/B20/B28/B40/B41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