

MikroTik



Chateau series

One router to delight them all – introducing the ultimate home AP with LTE support

Let's face it – most of the standard issue access points can't really satisfy the extremely diverse client base – they either lack features, users want more speed and higher gain, the price is too high or they look weird. We decided to take all the aspects that are important for most home users and create a single device that will make them happy – this is the MikroTik Chateau.



It is a high-speed, dual-band home access point with LTE support – for really fast Internet anywhere, anytime. There are many options to choose from, depending on your needs: from CAT4 LTE up to the ultra-fast CAT18 LTE. But LTE is not the only option – Chateau also features 5 x Gigabit Ethernet ports and a full size USB port.

Perfect for busy homes

Strong dual-chain dual-band 2.4/5 GHz wireless for concurrent coverage will solve most interference issues in a crowded environment. For example, a client can simultaneously use the 2.4 GHz channel for all household mobile devices and reserve the 5 GHz channel for tasks that are sensitive to packet loss – such as streaming high-quality videos.



Chateau has powerful integrated antennas, but you can connect external LTE antennas (not included) for even stronger signal.

Built with security in mind

Not only our RouterOS software comes with robust security options, we also focus on the production security. There is no outsourcing, every device is assembled in our premises and all the components come from reputable, trusted partners – such as Qualcomm. We cooperate with European law-makers and work hard to ensure full compliance with all the necessary safety policies. MikroTik is all about smooth, long-term cooperation without surprises.

Let's make more clients happy
with MikroTik Chateau!

Adaptability for your specific business and branding needs

Chateau can be customized: you can choose a variety of colors and labels, we can print your branding, if necessary. And there is another great feature – you can use TR-069 technology to create a custom remote client management option. You can choose how much control your clients need and which features of the highly versatile RouterOS they get to use. Some operators use this to allow users to configure the router via the same web-page they use to pay bills, others restrict novice users from meddling with the settings to provide better browsing experience in the long run.

Specifications

| | |
|--------------------------------|---|
| Product code | RBD53G-5HacD2HnD-TC&EG12-EA |
| CPU | 4 core IPQ-4019 716 MHz |
| Size of RAM | 256 MB |
| Storage | 16 MB flash |
| Number of 1 GbE Ethernet ports | 5 |
| Wireless | 2.4 GHz 802.11b/g/n dual-chain, 5 GHz 802.11a/n/ac dual-chain |
| Wireless regulations | Specific frequency range will be limited by country regulations |
| Wireless antenna max gain | 2.5 dBi |
| LTE category | Up to CAT18 (next page for options) |
| LTE antenna max gain | 4 dBi, option for external SMA connector |
| Antenna beam width | 360° |
| Supported input voltage | DC jack 12 - 28 V |
| Dimensions | 240 x 156 x 44 mm |
| Operating temperature | -40°C to +70°C |
| Operating system | RouterOS 7.0 (compatible only with v7 and above) |
| Micro SIM slots | 1 |
| USB port | 1 USB 2.0 port type A |
| Max power consumption | 23 W |

Wireless specifications

| Rate (2.4 GHz) | Tx (dBm) | Receive Sensitivity |
|----------------|----------|---------------------|
| 1MBit/s | 27 | -100 |
| 11MBit/s | 27 | -94 |
| 6MBit/s | 27 | -96 |
| 54MBit/s | 24 | -78 |
| MCS0 | 27 | -96 |
| MCS7 | 23 | -73 |

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

Included parts



24 V 1.5 A
power adapter

IPsec test results

| RBD53G-5HacD2HnD-TC&EG12-EA | | IPQ-4018 IPsec throughput | | | | | |
|-----------------------------|----------------------|---------------------------|-------|----------|-------|---------|------|
| Mode | Configuration | 1400 byte | | 512 byte | | 64 byte | |
| | | kpps | Mbps | kpps | Mbps | kpps | Mbps |
| Single tunnel | AES-128-CBC + SHA1 | 37.9 | 424.5 | 59 | 241.7 | 61.6 | 31.5 |
| 256 tunnels | AES-128-CBC + SHA1 | 36 | 403.2 | 38.5 | 157.7 | 39.8 | 20.4 |
| 256 tunnels | AES-128-CBC + SHA256 | 36 | 403.2 | 38.5 | 157.7 | 39.8 | 20.4 |
| 256 tunnels | AES-256-CBC + SHA1 | 34.4 | 385.3 | 37.9 | 155.2 | 39.8 | 20.4 |
| 256 tunnels | AES-256-CBC + SHA256 | 34.4 | 385.3 | 37.9 | 155.2 | 39.8 | 20.4 |

Ethernet test results

| Mode | Configuration | 1518 byte | | 512 byte | | 64 byte | |
|----------|------------------------|-----------|--------|----------|--------|---------|-------|
| | | kpps | Mbps | kpps | Mbps | kpps | Mbps |
| Bridging | none (fast path) | 162,5 | 1973.4 | 469,9 | 1924.7 | 1484,8 | 760.2 |
| Bridging | 25 bridge filter rules | 162,5 | 1973.4 | 352,9 | 1445.5 | 359,2 | 183.9 |
| Routing | none (fast path) | 162,5 | 1973.4 | 469,9 | 1924.7 | 1488,0 | 761.9 |
| Routing | 25 simple queues | 162,5 | 1973.4 | 469,9 | 1924.7 | 506,3 | 259.2 |
| Routing | 25 ip filter rules | 162,5 | 1973.4 | 240,8 | 986.3 | 242,9 | 124.4 |

Ordering options

| Product code | LTE category | LTE Bands | LTE max speed | LTE Carrier aggregation | Wireless | Price \$ |
|---------------------------------|--|--------------------------|---------------|-------------------------|-------------------|----------|
| RBD53G-5Hac-D2HnD-TC&EG18-EA | CAT18 4x4 MIMO LTE support with 2 external antennas | 1/3/5/7/8/20/28/38/40/41 | 1200 Mbps | Yes | no lock | 249 |
| RBD53G-5Hac-D2HnD-TC-TH&EG18-EA | CAT18 4x4 MIMO LTE support with 2 external antennas | 1/3/5/7/8/20/28/38/40/41 | 1200 Mbps | Yes | lock for Thailand | 249 |
| RBD53G-5Hac-D2HnD-TC-RU&EG18-EA | CAT18 4x4 MIMO LTE support with 2 external antennas | 1/3/5/7/8/20/28/38/40/41 | 1200 Mbps | Yes | lock for Russia | 249 |
| RBD53G-5Hac-D2HnD-TC&EG12-EA | CAT12 4x4 MIMO LTE support with 2 external antennas | 1/3/5/7/8/20/28/38/40/41 | 600 Mbps | Yes | no lock | 229 |

| Product code | LTE category | LTE Bands | LTE max speed | LTE Carrier aggregation | Wireless | Price \$ |
|-------------------------------------|--|---|---------------|-------------------------|-------------------------------------|----------|
| RBD53G-5Hac-D2HnD-TC-TH&EG12-EA | CAT12 4x4 MIMO LTE support with 2 external antennas | 1/3/5/7/8/20/28/38/40/41 | 600 Mbps | Yes | lock for Thailand | 229 |
| RBD53G-5Hac-D2HnD-TC-RU&EG12-EA | CAT12 4x4 MIMO LTE support with 2 external antennas | 1/3/5/7/8/20/28/38/40/41 | 600 Mbps | Yes | lock for Russia | 229 |
| RBD53G-5Hac-D2HnD-TC&R11e-LTE6 | CAT6 | 1/2/3/5/7/8/12/17/20/25/26/38/39/40/41n | 300 Mbps | Yes | no lock | 223 |
| RBD53G-5Hac-D2HnD-TC-US&R11e-LTE6 | CAT6 | 1/2/3/5/7/8/12/17/20/25/26/38/39/40/41n | 300 Mbps | Yes | lock for United States/Canada (FCC) | 223 |
| RBD53G-5Hac-D2HnD-TC-TH&R11e-LTE6 | CAT6 | 1/2/3/5/7/8/12/17/20/25/26/38/39/40/41n | 300 Mbps | Yes | lock for Thailand | 223 |
| RBD53G-5Hac-D2HnD-TC-RU&R11e-LTE6 | CAT6 | 1/2/3/5/7/8/12/17/20/25/26/38/39/40/41n | 300 Mbps | Yes | lock for Russia | 223 |
| RBD53G-5Hac-D2HnD-TC&R11e-LTE | CAT4 | 1/2/3/5/7/8/20/38/40 | 150 Mbps | No | no lock | 209 |
| RBD53G-5Hac-D2HnD-TC-TH&R11e-LTE | CAT4 | 1/2/3/5/7/8/20/38/40 | 150 Mbps | No | lock for Thailand | 209 |
| RBD53G-5Hac-D2HnD-TC-RU&R11e-LTE | CAT4 | 1/2/3/5/7/8/20/38/40 | 150 Mbps | No | lock for Russia | 209 |
| RBD53G-5Hac-D2HnD-TC&R11e-LTE-US | CAT4 | 2/4/5/12 | 150 Mbps | No | no lock | 209 |
| RBD53G-5Hac-D2HnD-TC-US&R11e-LTE-US | CAT4 | 2/4/5/12 | 150 Mbps | No | lock for United States/Canada (FCC) | 209 |
| RBD53G-5Hac-D2HnD-TC&R11e-4G | CAT4 | 3/7/20/31/41n/42/43 | 150 Mbps | No | no lock | 209 |
| RBD53G-5Hac-D2HnD-TC-US&R11e-4G | CAT4 | 3/7/20/31/41n/42/43 | 150 Mbps | No | lock for United States/Canada (FCC) | 209 |
| RBD53G-5Hac-D2HnD-TC-TH&R11e-4G | CAT4 | 3/7/20/31/41n/42/43 | 150 Mbps | No | lock for Thailand | 209 |
| RBD53G-5Hac-D2HnD-TC-RU&R11e-4G | CAT4 | 3/7/20/31/41n/42/43 | 150 Mbps | No | lock for Russia | 209 |
| Chateau 5G | 5G | n41/n77/n78/n79 | TBD | TBD | TBD | TBD |