

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