MIKROTIK

Chateau LTE18 ax

The best home AP just got even better.



- **NOW WITH 2.5 GIGABIT ETHERNET!**
- **POWERFUL 1.8 GHZ QUAD-CORE CPU**
- **802.11AX + WAVE2**
- **STRONG DUAL-BAND, DUAL-CHAIN WIRELESS (3-6 DBI)**
- **4X GIGABIT ETHERNET PORTS**
- **THE FASTEST CAT18 LTE MODEM**
- **WPA3**

On the surface, the new Chateau is very similair to the previous models. We had a fantastic LTE18 launch with our partners at LMT – the leading mobile operator in Latvia. Our Chateau replaced the usual brands – and the client satisfaction skyrocketed. Most users appreciated better speed and stability, as well as the abundance of useful RouterOS features and general flexibility. And don't forget the elegant look that fits right in anywhere – from traditional homes and luxury residences to modern office and corporate environments.





The wireless interface supports 802.11ax and is backward compatible with older wireless standards. Older client devices that only support 802.11ac will still benefit from multiple additional 802.11ac Wave 2 features, such as MU-MIMO and explicit beamforming.

The next obvious step in the Chateau series was perfecting the wireless capabilities. With the Generation6 **802.11ax** wireless standard and **Wave 2** support, **Chateau LTE18 ax** can deliver **unprecedented speed**. If we compare it to the previous generation, we're looking at up to **40% higher speed in the 5 GHz** and up to **90% higher speed in the 2.4 GHz** spectrum! We've made massive improvements to the wireless radio and antennas. Chateau LTE18 ax supports **MIMO 4x4** on LTE. There are 4 built-in LTE antennas and 2 optional external network antennas for **exceptional coverage** in your whole home!

*With speeds like that, the ports also had to rise to the occasion. We kept four **Gigabit Ethernet** ports and added a **2.5 Gigabit Ethernet** port on top. And let's not forget the USB port which can be handy for storage purposes.*



The modern **quad-core CPU** running at **1.8 GHz** combined with a solid GB of RAM packs a hefty punch when it comes to heavy operations like **complex firewall rules, IPsec hardware encryption, using more threads** or experimenting with advanced RouterOS features. And with the addition of WPA3 advanced encryption support, you're safer than ever before.

The most advanced software on the market - RouterOS

We have been making our own software since 1996. And over the years, we've managed to create the **most powerful and flexible networking software on the market**. With each new version, our priority remained the same: to provide users with the freedom to explore different setups and always have the right tools for the job. Run a secure VPN from the office directly to your home, enable parental control, QoS (traffic prioritization for certain needs, such as streaming), complex firewall rules, IPsec hardware acceleration, VLAN, e-mail or SMS notifications.. You can even automate complex trigger notifications ("Your bandwidth has reached X for Y minutes!") and modify queues based on bandwidth usage. If you can imagine it – RouterOS can achieve it.

There are no paywalls and no confusing subscriptions. You're getting all the features - from consumer to enterprise-grade. For mobile operators and ISPs, this is groundbreaking. **Finally - a single product to satisfy the most diverse group of people.**

Built with security in mind

Not only does RouterOS come with robust security options, we also focus on the production security. There is no outsourcing, every Chateau device is assembled at our EU contract manufacturers, 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.

Jack of all trades... master of many!

Chateau is a remarkable choice for any mobile operator. It can be customized with a variety of labels or printed branding. And operators can use the TR-069 technology to create **custom remote client management options**, such as router configuration via the same web-page clients are using to pay the mobile bill.

Advanced users, seasoned sysadmins, and networking enthusiasts can take advantage of the astounding depth of RouterOS. And the non-tech households can skip all that, using a simple, straightforward web-page instead.

Now is the time for great networking without compromises. Secure remote work options and a blazing fast Internet connection are no longer a luxury. They are a necessity. And Chateau is the solution.

Specifications

Product code	S53UG+5HaxD2HaxD-TC&EG18-EA
CPU	Quad-Core IPQ-6010 1.8 GHz
CPU architecture	ARM 64bit
Size of RAM	1 GB
RAM type	DDR3L
Storage	128 MB, NAND
Number of 1G Ethernet ports	4
Number of 2.5G Ethernet ports	1
Micro SIM slots	1
USB	1 USB 2.0 type A
Switch chip model	IPQ-6010
Wireless interface model	QCN-5022 (2.4 GHz), QCN-5052 (5 GHz)
Wireless	2.4 GHz 802.11ax dual-chain, 5 GHz 802.11ax dual-chain
Wireless antenna max gain	2.4 GHz (3 dBi), 5 GHz (6 dBi)
LTE category	18 (1.2Gbps Downlink, 150Mbps Uplink)
LTE modem	EG18-EA
TAC	86981604
LTE antenna gain	4 dBi
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps 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	-40°C to +65°C

⚠ Unlike LTE antennas, the dual-band wireless network antennas CANNOT BE REMOVED! ⚠

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	16 W
Max power consumption	19 W

Wireless specifications

Rate (2.4 GHz)	Tx (dBm)	Rx (dBm)
1MBit/s	20	-100
11MBit/s	20	-94
6MBit/s	21	-96
54MBit/s	18	-80
MCS0	21	-96
MCS7	17	-75
MCS9	16	-70
MCS11	14	-67

Rate (5 GHz)	Tx (dBm)	Rx (dBm)
6MBit/s	21	-96
54MBit/s	18	-80
MCS0	21	-96
MCS7	17	-75
MCS9	16	-70
MCS11	14	-67

Included parts



24 V 1.2 A
power adapter



UTP Flat
Cable (1.5m)