MIKROTIK

Chateau 5G R16

...where great networking meets simplicity.

Ultra-fast mobile internet for every home or office – speeds go up, price goes down!



- QUAD-CORE ARM CPU
- STRONG DUAL-CHAIN, DUAL-BAND WIRELESS
- 5X GIGABIT ETHERNET
- LINUX CONTAINER APP SUPPORT
- SIMPLIFIED BUILT-IN ANTENNA DESIGN: EXTRA DURABILITY, STONGER SIGNAL
- USB PORT

Do you dream of escaping the hustle and bustle of the busy city life and moving to the suburbs? Perhaps you've already made the move but are frustrated by the slow internet speeds? Fear not, because Chateau is here to solve all your connectivity problems. Going back to the city to finish some business? Once again – Chateau is the perfect companion for ultra-fast premium connectivity.

Chateau 5G R16 is the 2023 upgrade of our bestselling 5G Chateau home and office router – designed to make 5G more affordable than ever. The new modem brings the price down while adding features like NR CA and 3GPP Release standard with extra ENDC combination support. In other words, much **better connectivity across a wide range of different mobile operator towers**! It can even simultaneously use the 5G and 4G bands to maximize the throughput! It also supports **4x4 MIMO** for the lower frequency range, including band 8, 20, and 28 – for even **better signal in the countryside**. Wherever life takes you – Chateau can make it better.

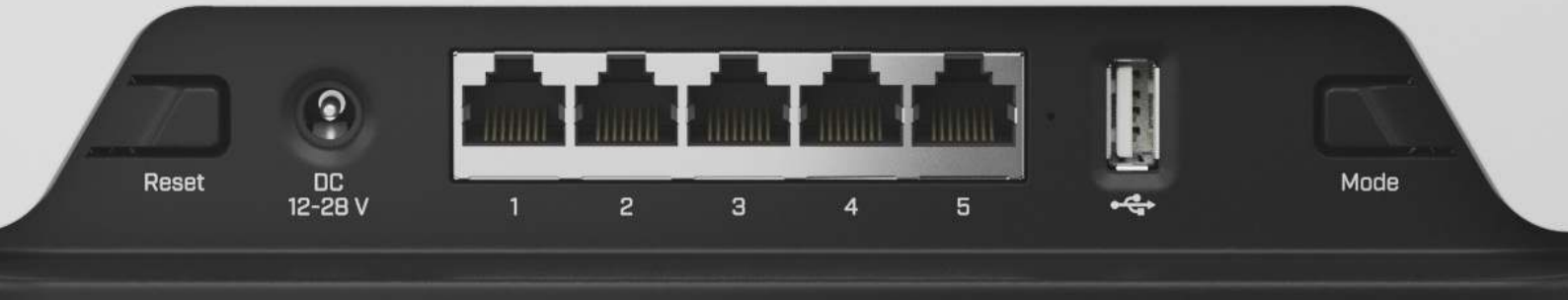




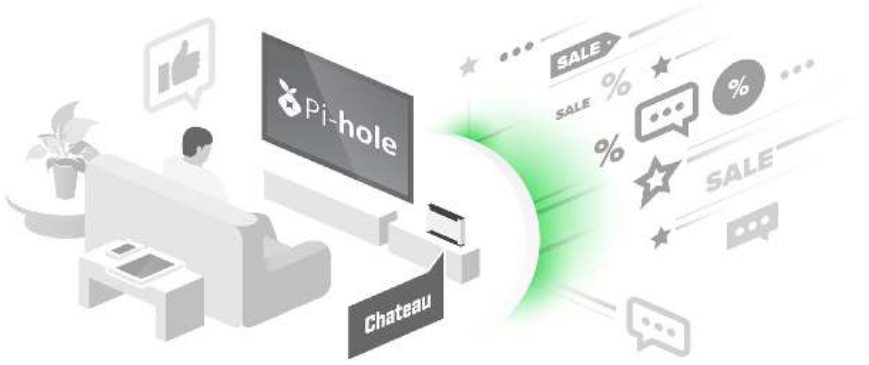
There are 5x Gigabit Ethernet ports – enough to connect most household devices: PCs, TVs, game consoles, and so on.

More than just a router: try containers for home automation, ad blocking, simple web hosting, private DNS, network storage, IoT, and so much more!

Latest version of our versatile RouterOS, a **powerful quad-core ARM CPU** and a **USB port for extra storage** – that's all you need to step inside the exciting world of Linux container apps! Here are some neat container use-cases to explore with your brand new Chateau:



Block all unwanted ads with PiHole hosted on your Chateau 5G R16!



Host your web blog or a simple website on your router – without any additional hardware!



Chateau 5G R16 can host the HomeAssistant app, which allows monitoring your CCTV cameras, temperature sensors, and other devices to create the smart home ecosystem of your dreams!



You can even automate your home. For instance, wouldn't it be nice if the air conditioning turned on automatically when it gets too hot? With Chateau's container support that's an easy ride!

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, complex firewall rules, IPsec hardware acceleration, VLAN, e-mail or SMS notifications – the possibilities are endless. And here's the best part: **there are no paywalls and no confusing subscriptions**.

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	D53G-5HacD2HnD-TC&RG520F-EU
CPU	Quad-core IPQ-4019 448-896 (auto) MHz
CPU Architecture	ARM 32bit
Size of RAM	256 MB
Storage	16 MB flash
1G Ethernet ports	5
Micro SIM slots	1
USB port	1 USB 2.0 port type A
M.2 slot	1
Switch chip model	IPQ-4019
Wireless	2.4 GHz 802.11a/b/g/n dual-chain, 5 GHz 802.11a/n/ac dual-chain
Wireless antenna max gain	2.4 GHz (3 dBi), 5 GHz (5.5 dBi)
LTE modem	R11mL-RG520F
LTE category	20 (2.0 Gbps downlink, 200 Mbps uplink)
5G	SA Sub-6 4.0 Gbps (DL)/ 900 Mbps (UL) NSA Sub-6 4.0 Gbps (DL)/ 550 Mbps (UL)
TAC	86945405
5G SA FDD bands	1 (2100 MHz) / 3 (1800 MHz) / 5 (850 MHz) / 7 (2600 MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz)
5G SA FTDD bands	38 (2600 MHz) / 40 (2300 MHz) / 41 (2500 MHz) / 75 (1500 MHz) / 76 (1500 MHz) / 77 (3700 MHz) / 78 (3500 MHz)
5G NSA FDD bands	1 (2100 MHz) / 3 (1800 MHz) / 5 (850 MHz) / 7 (2600 MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz)
5G NSA TDD bands	38 (2600 MHz) / 40 (2300 MHz) / 41 (2500 MHz) / 75 (1500 MHz) / 76 (1500 MHz) / 77 (3700 MHz) / 78 (3500 MHz)
LTE FDD bands	1 (2100 MHz) / 3 (1800 MHz) / 5 (850 MHz) / 7 (2600 MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz) / 32 (1500 MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz) / 42 (3500MHz) / 43 (3700MHz)
3G Category	R8 (42.2Mbps Downlink, 5.76Mbps Uplink)
3G bands	1 (2100MHz) / 5 (850MHz) / 8 (900MHz)
Dimensions	240 x 156 x 44 mm
Operating system	RouterOS v7 only
Operating temperature	-40°C to +70°C

Wireless specifications

Rate (2.4 GHz)	Tx (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-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

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	20 W
Max power consumption	25 W

Included parts



24 V 1.2 A
power adapter



UTP Flat
Cable (1.5m)