

Mikrotik-Store.Eu – Licence comparison

Overview of MikroTik RouterOS and CHR (Cloud Hosted Router) licenses.

Overview RouterOS licences:

- <https://help.mikrotik.com/docs/display/ROS/RouterOS+license+keys>

Overview CHR licences

- <https://help.mikrotik.com/docs/display/ROS/Cloud+Hosted+Router%2C+CHR>

License Levels

MikroTik RouterOS

After installation RouterOS runs in **trial mode**. You have 24 hours to register for Level1 (Free demo) or purchase a Level 4,5 or 6 license and paste a valid key.

Level 3 is a wireless station (client or CPE) only license. *For x86 PCs, Level3 is not available for purchase individually.*

Level 2 was a transitional license from old legacy (pre 2.8) license format. These licenses are not available any more, if you have this kind of license, it will work, but to upgrade it - you will have to purchase a new license.

The difference between license levels is shown in the table below.

Level number	0 (Trial mode)	1 (Free Demo)	3 (WISP CPE)	4 (WISP)	5 (WISP)	6 (Controller)
Wireless AP mode (PtMP)	24h trial	-	no	yes	yes	yes
PPPoE tunnels	24h trial	1	200	200	500	unlimited
PPTP tunnels	24h trial	1	200	200	500	unlimited
L2TP tunnels	24h trial	1	200	200	500	unlimited
OVPN tunnels	24h trial	1	200	200	unlimited	unlimited
EoIP tunnels	24h trial	1	unlimited	unlimited	unlimited	unlimited
VLAN interfaces	24h trial	1	unlimited	unlimited	unlimited	unlimited
Queue rules	24h trial	1	unlimited	unlimited	unlimited	unlimited
HotSpot active users	24h trial	1	1	200	500	unlimited
User manager active sessions	24h trial	1	10	20	50	Unlimited
Bonding interfaces	24h trial	1	unlimited	unlimited	unlimited	unlimited

All Licenses:

- never expire (a running and licensed router can be used indefinitely)
- can use unlimited number of interfaces
- are for one installation each
- offer unlimited software upgrades

CHR Licensing

The CHR has 4 license levels:

- **free**
- **p1 perpetual-1**
- **p10 perpetual-10**
- **p-unlimited perpetual-unlimited**

The 60-day free trial license is available for all paid license levels. To get the free trial license, you have to have an account on [MikroTik.com](https://mikrotik.com) as all license management is done there.

Perpetual is a lifetime license (buy once, use forever). It is possible to transfer a perpetual license to another CHR instance. A running CHR instance will indicate the time when it has to access the account server to renew its license. If the CHR instance will not be able to renew the license it will behave as if the trial period has run out and will not allow an upgrade of RouterOS to a newer version.

After licensing a running trial system, you **must** manually run the `/system license renew` function from the CHR to make it active. Otherwise, the system will not know you have licensed it in your account. If you do not do this before the system deadline time, the trial will end and you will have to do a complete fresh CHR installation, request a new trial, and then license it with the license you had obtained.

License	Speed limit
Free	1Mbit
P1	1Gbit
P10	10Gbit
P-Unlimited	Unlimited

[Mikrotik-Store.eu](https://mikrotik-store.eu) - Brief overview of how it works with the licences:

- * We transfer them to your [Mikrotik.com/client](https://mikrotik.com) (specify login name!) account.
- * There you can convert your prepaid key into the purchased licence and use it on the CHR system.
- * On the CHR system, store your [Mikrotik.com](https://mikrotik.com) account: `system > license`
- * The CHR system is limited in uploads and updates. So a P1 licence (once purchased, it runs forever) allows an upload of 1Gbit/s (per CHR interface) & updates permanently. All other functions provided by CHR are available without any restrictions.
- * The device must have a connection to the internet so that the instance can connect to Mikrotik's licence server every few weeks. Otherwise, the router will behave as if the trial period has expired and will not allow you to upgrade RouterOS to a newer version.
- * If you delete an instance, you do not lose its licence - but it is best to always export your router configuration in advance!

Paid licenses

p1

p1 (perpetual-1) license level allows CHR to run indefinitely. It is limited to 1Gbps upload per interface. All the rest of the features provided by CHR are available without restrictions. It is possible to upgrade *p1* to *p10* or *p-unlimited* (New license level can be purchased by standard price). After the upgrade is purchased the former license will become available for later use on your account.

p10

p10 (perpetual-10) license level allows CHR to run indefinitely. It is limited to 10Gbps upload per interface. All the rest of the features provided by CHR are available without restrictions. It is possible to upgrade *p10* to *p-unlimited* After the upgrade is purchased the former license will become available for later use on your account.

p-unlimited

The *p-unlimited* (perpetual-unlimited) license level allows CHR to run indefinitely. It is the highest tier license and it has no enforced limitations.