

- 802.11n support and cards
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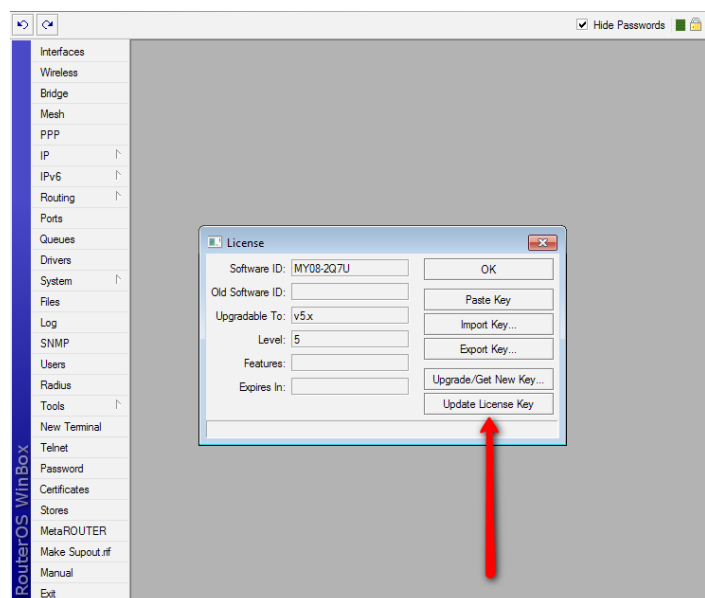
802.11n support

Announcing two new MikroTik RouterBOARD products - **R52n** and **R2n** that both support wireless 802.11n standard in addition to 802.11abg or 802.11bg (in case of R2n). Finally it's possible to achieve 200Mbps actual data throughput over wireless links!



Starting with v4.0beta3 RouterOS now includes support for these 802.11n cards, that is unlocked by **updating your RouterOS license with the new 8 digit SoftID**. The process is very simple, click on the Update Key button in Winbox license menu, and 802.11n support will become available and cards will appear in your Interface list. A new key will be generated in our server, put into your account, and also in your router.

More: <http://mikrotik.com/license.html>



MUM 2009 in Dallas/FT Worth

This year, the MikroTik User Meeting for USA will take place in Dallas/FT worth area right next to the International airport, making travel easy and affordable. People from all around the world are expected. Mark this date in your calendar:

September 3-4, 2009

As usual, MikroTik will conduct training classes before the MUM, please see our training portal for more information: <http://training.mikrotik.com>

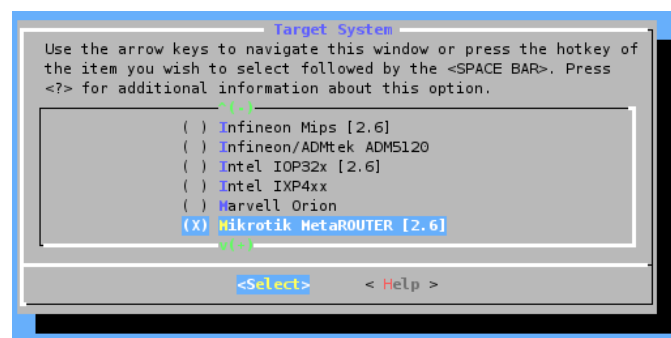
Register for the MUM today:
<http://mum.mikrotik.com>



Metarouter supports OpenWRT

Starting from v3.24 MetaROUTER has the ability to import custom built images. This means that you can have RouterOS running as usual, and built-in will be a virtual environment where another operating system will be running any custom tools you might need on this device. We have made a complete example on how to build your own OpenWRT image for RouterOS, but it's certainly not limited to that.

More information:
<http://wiki.mikrotik.com/wiki/Metarouter>



PCC matcher

PCC matcher will allow you to divide traffic into equal streams with ability to keep packets with specific set of options in one particular stream (you can specify this set of options from src-address, src-port, dst-address, dst-port). PCC is available in RouterOS since v3.24. This option was introduced to address configuration issues with load balancing over multiple gateways with masquerade. More info:

<http://wiki.mikrotik.com/wiki/PCC>

SMP support

RouterOS v3.24 introduces some improvements in Multi Core and Multi CPU PC systems which should solve any outstanding issues with these platforms.

We welcome everyone to test SMP support and report the performance increase to our Technical support and Forum discussion boards.

802.11n test

We tested a pair of RB600A devices, each populated with the new R52n card, that were each connected to a pair of antennas. Running a bandwidth test from a RouterBOARD 1000 on each end, we achieved up to 30000pps and 194.3Mbps throughput.

The applications are limitless. With new laptops supporting 802.11n by default, you can increase your local network capacity four times of the previously possible speeds.

RB600A with R52n		
Result units	Mbps	Pps
Routing w/ Conntrack	183	15000
Routing wo/ Conntrack	195	16000



RB600A is perfect for running 802.11n applications because it has gigabit ports, to accomodate the new high speed transwers, and it's the most powerful of the current RouterBOARD lineup. MikroTik just reduced the list price from \$245 to **\$195** so place your orders now!