MikroTik

MUM Europe Ljubljana

February 2016

We will be back at 14:00

More than 120 MUM events



MikroTik at the MUM

John Tully (CEO)

Arnis Riekstins (CTO)

Janis Jankovskis (sales)

Edmunds Aperans (sales, training)

Karlis Oga (sales)

MikroTik at the MUM

Uldis Cernevskis (support, wireless)

Janis Megis (support, CCR, firewall)

Martins Strods (support)

Emils Zilnieks (support, routing)

Kaspars Krampis (training)

Sergejs Boginskis (support, training)

MikroTik

- MikroTik is located in Latvia (Europe)
- More than 160 employees
- Established in 1996
- MikroTik RouterOS created in 1997
- RouterBOARD created in 2002
- First MUM in Prague 2006
- Biggest MUM Indonesia 2015 - 2650 people


MikroTik
Iceland
Finland
Sweden
Norway
Russia
Lithuania
Ireland
United Kingdom
Den-mark
Belarus
Nether-lands
Poland
Belgium
Germany
Ukraine
Luxembourg
Czech Republic
Slovakia
Mol-dova
France
Switzer-land
Liecht.
Austria
Hungary
Romania
Slove-nia
Croatia
Georgia
Azerba
Armenia
Bosnia and Herzego-vina
Serbia
Monaco
San Marino
Andorra
Monte-negro
Bulgaria
Portugal
Italy
Spain
Vatican City
Mace-donia
Al-ba-nia
Turkey
Greece
Syria
Iraq
Leba-non
Cyprus
Morocco
Algeria
Tunisia
Malta

MUM Europe

25.02

09:00 - 12:30 - Presentations

12:30 - 14:00 - Lunch with ticket

14:00 - 18:00 - Presentations

26.02

09:00 - 12:30 - Presentations

12:30 - 14:00 - Lunch with ticket

14:00 - 16:30 - Presentations

16:30 - Raffle and closing of the MUM

MUM Europe Exhibitors

45 exhibitors!!!

Glass room

Garden room

White room

After the MUM

Presentation slides - mum.mikrotik.com

Videos - youtube.com/mikrotik

Live feed - mikrotik.com or youtube.com

License will be emailed

RECENTLY INTRODUCED

mANTBox 15s

- mANT sector antenna 15dBi
- 120 degree
- RB921 inside (720MHz, 128MB RAM)
- 802.11 a/n/ac
- SFP port



$139

mANTBox 19s

- mANT sector antenna 19dBi
- 120 degree
- RB921 inside (720MHz, 128MB RAM)
- 802.11 a/n/ac
- SFP port



$199

hAP ac lite

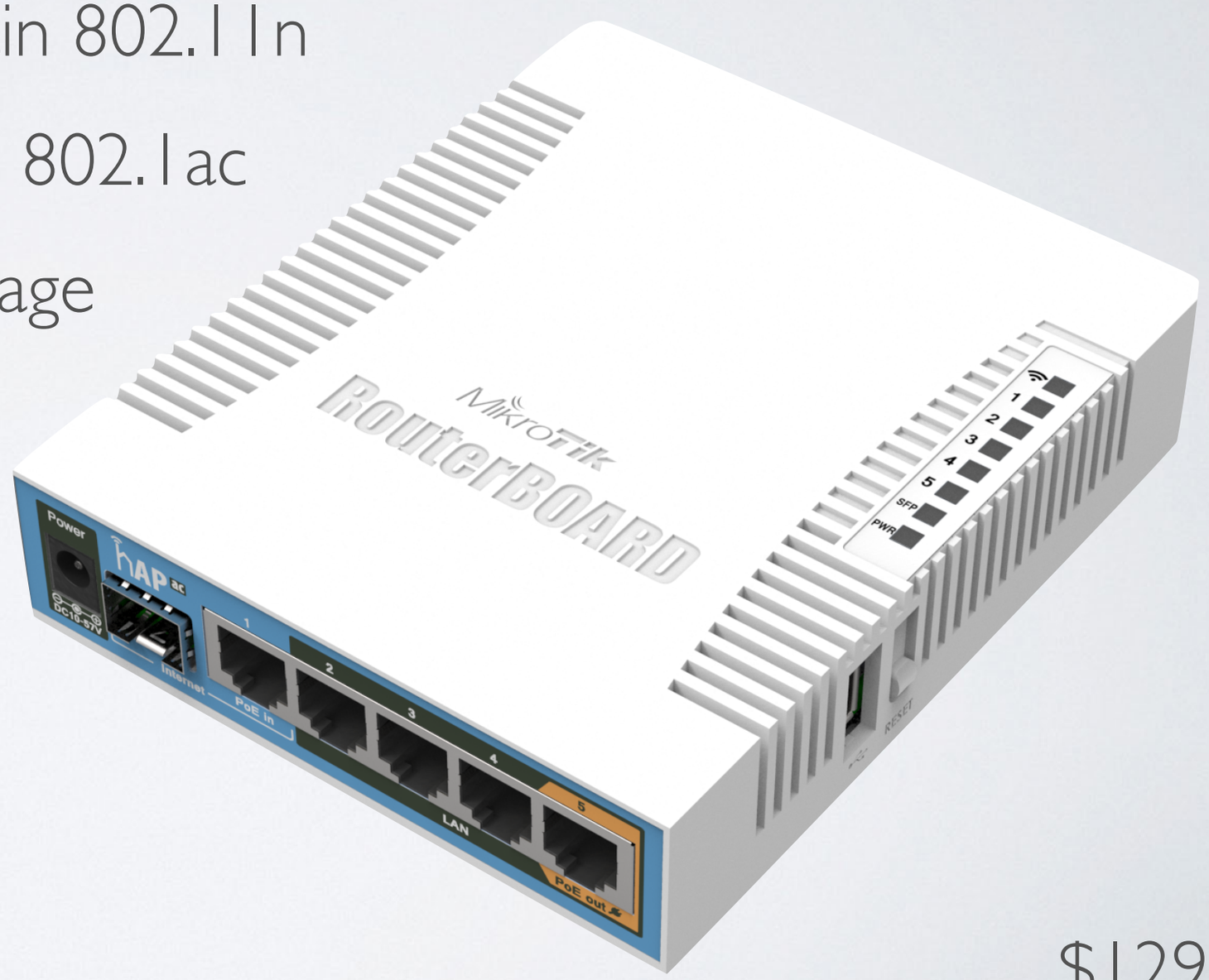
- Dual band Access Point
- 2.4GHz 2 chains 802.11n
- 5GHz 1 chain 802.11ac
- 5x100Mbps ports
- 650MHz CPU
- PoE-out on port 5



$49.95

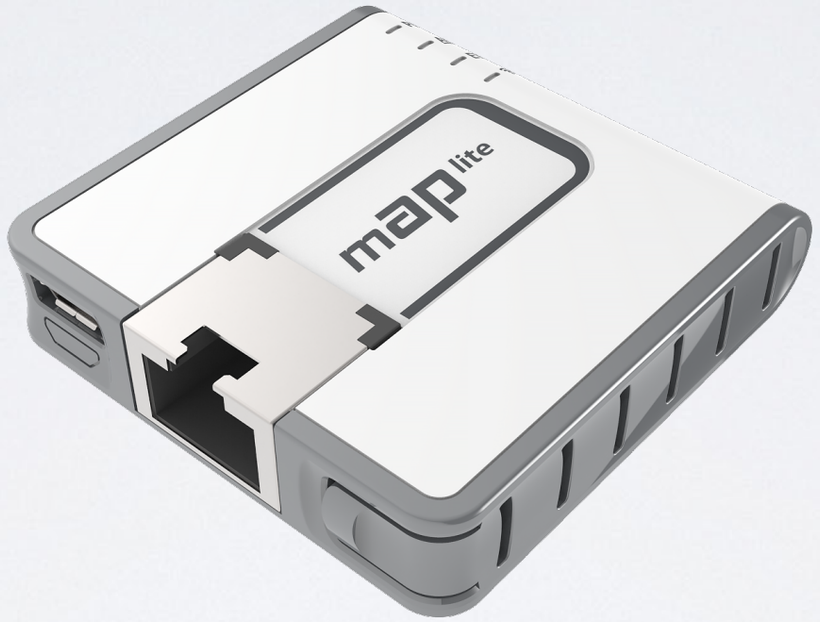
hAP ac

- Gigabit dual concurrent home AP
- 2.4GHz high power 3 chain 802.11n
- 5GHz high power 3 chain 802.1ac
- 5x1Gbps ports & 1 SFP cage
- 720MHz CPU
- PoE-out on port 5



$129

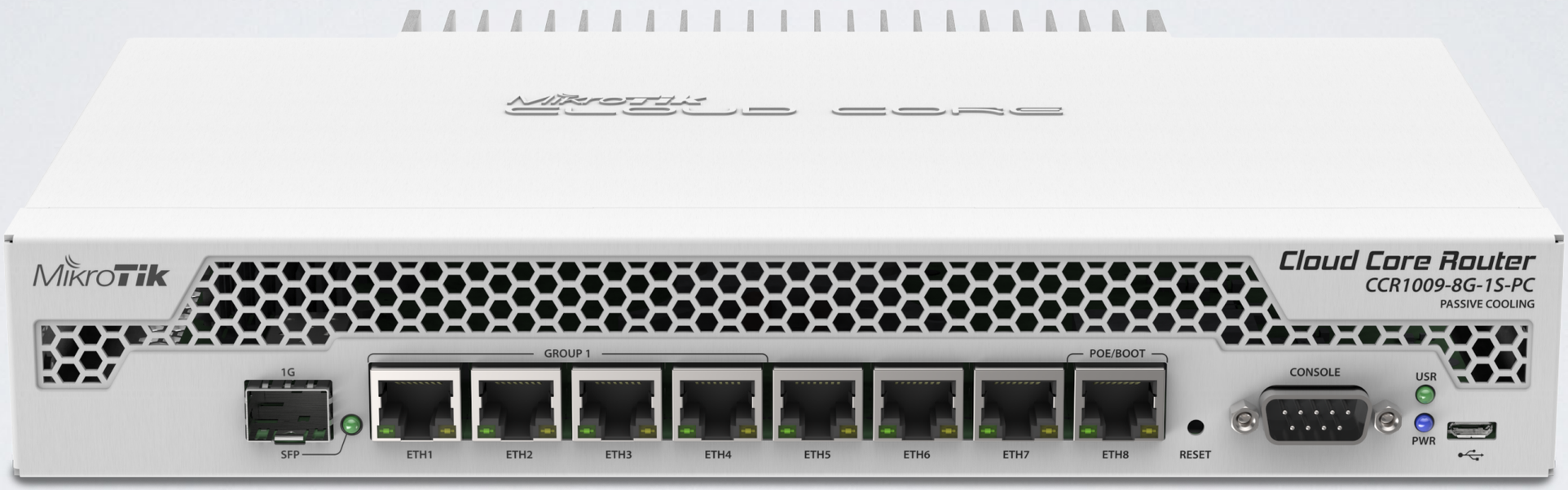
mAP lite



Tiny size 2.4GHz Dual Chain access point
with a 650MHz CPU, 64MB RAM and one Fast Ethernet

$25

CCR1009-8G-1S-PC



9 cores, each 1GHz, Passive cooling case

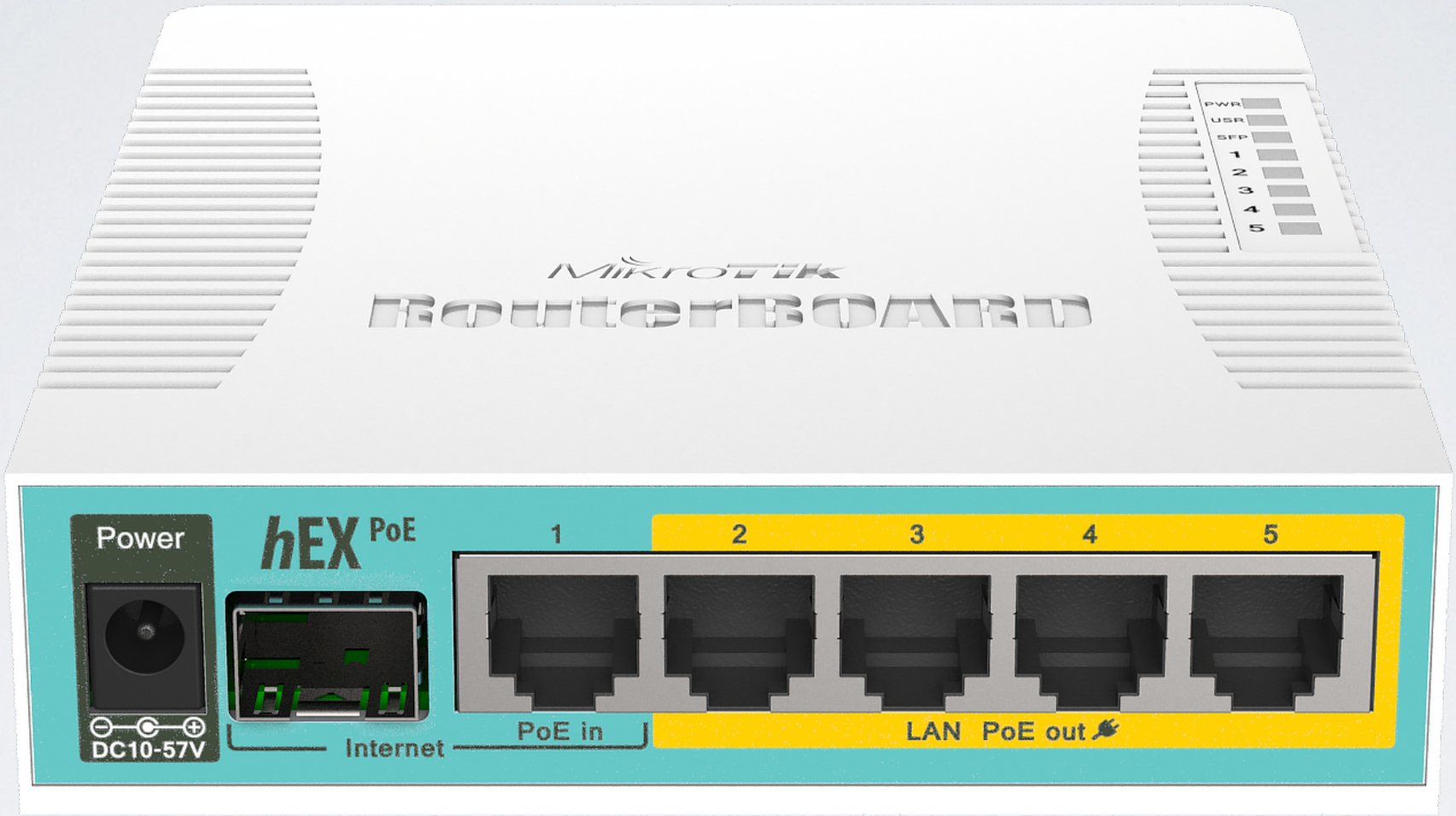
1 SFP, PoE-in

$425

NEW PRODUCTS!

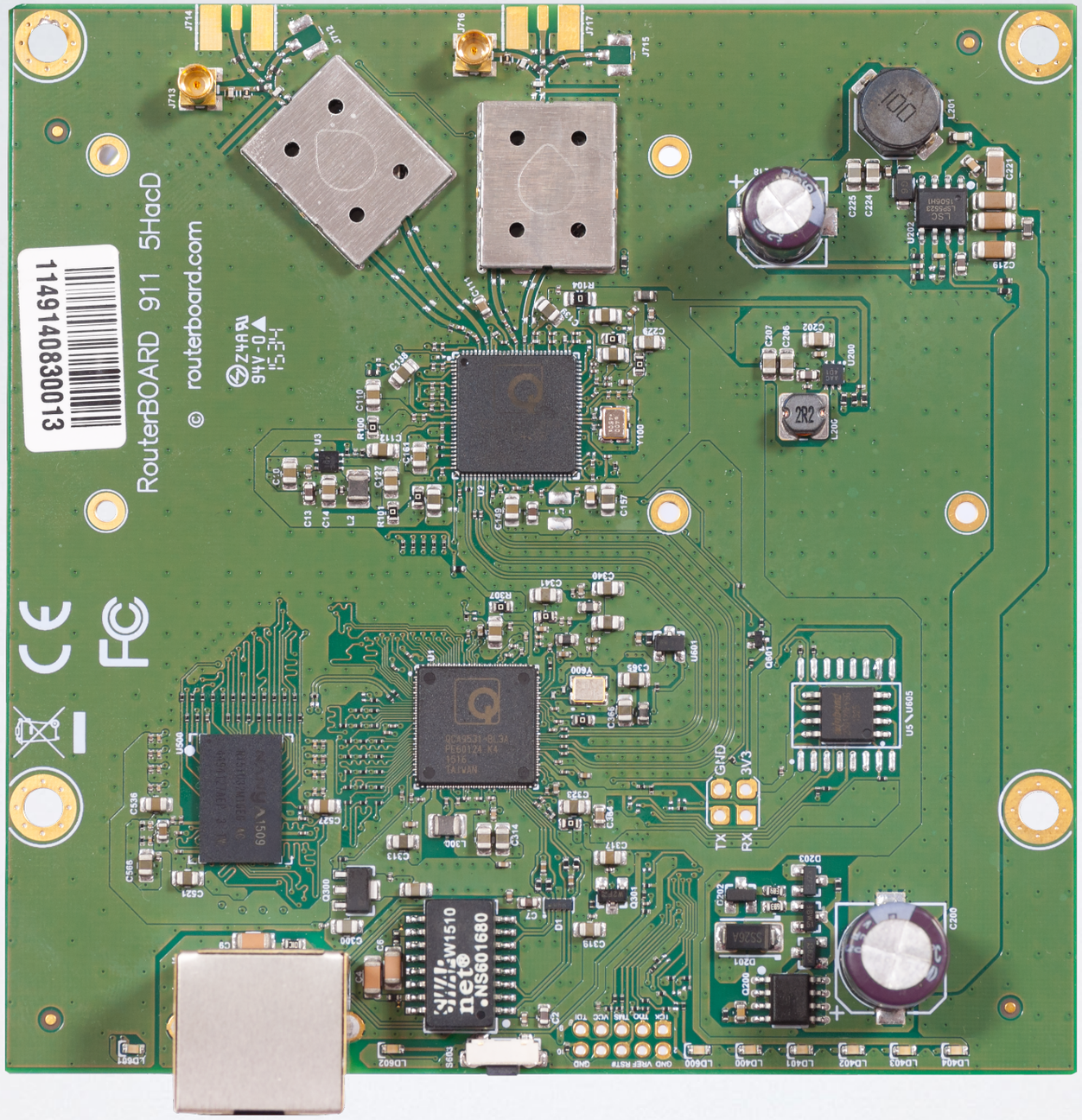
Q2

hEX PoE



5 gigabit ports, 4 PoE out

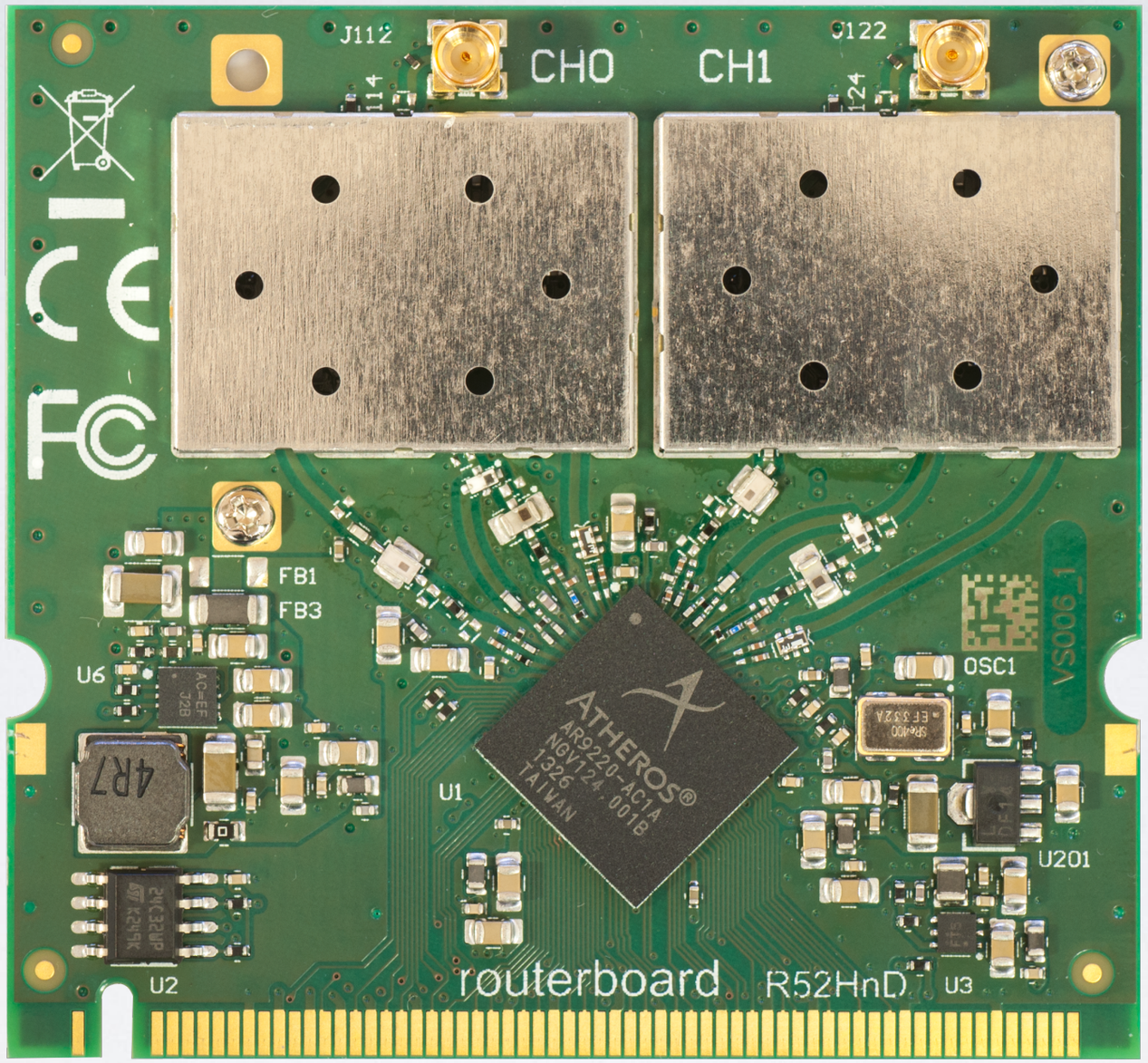
911 Lite 5ac



ac update for extremely affordable board

Q2

R52HnD



tx-power 26 dbm, R52HnD replacement

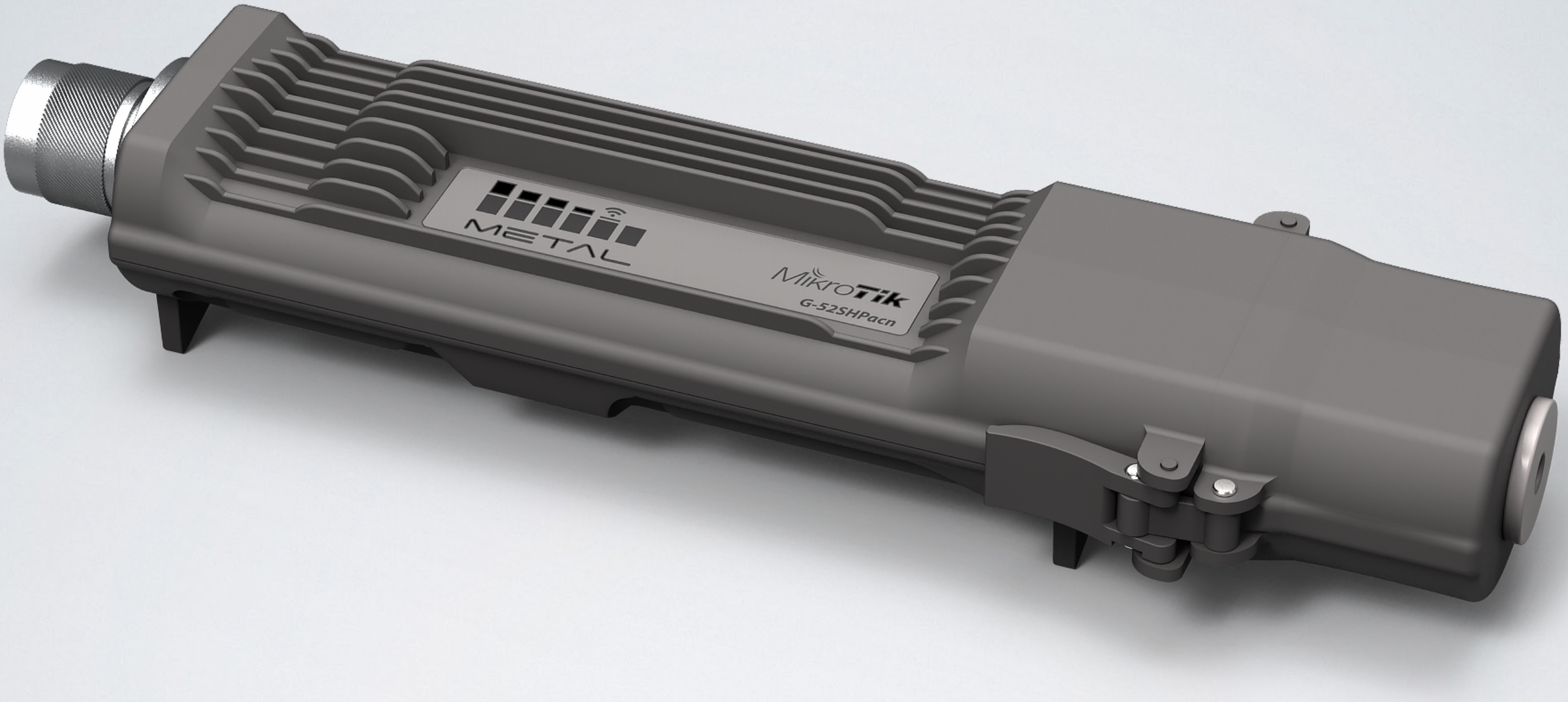
Groove 52 ac



ac update for popular Groove model

Q1

Metal 52 ac



Waterproof, rugged with a super high power (31dBm)

802.11 b/g/n and 802.11 a/n/ac, 1gigabit Ethernet

Q2

wAP ac

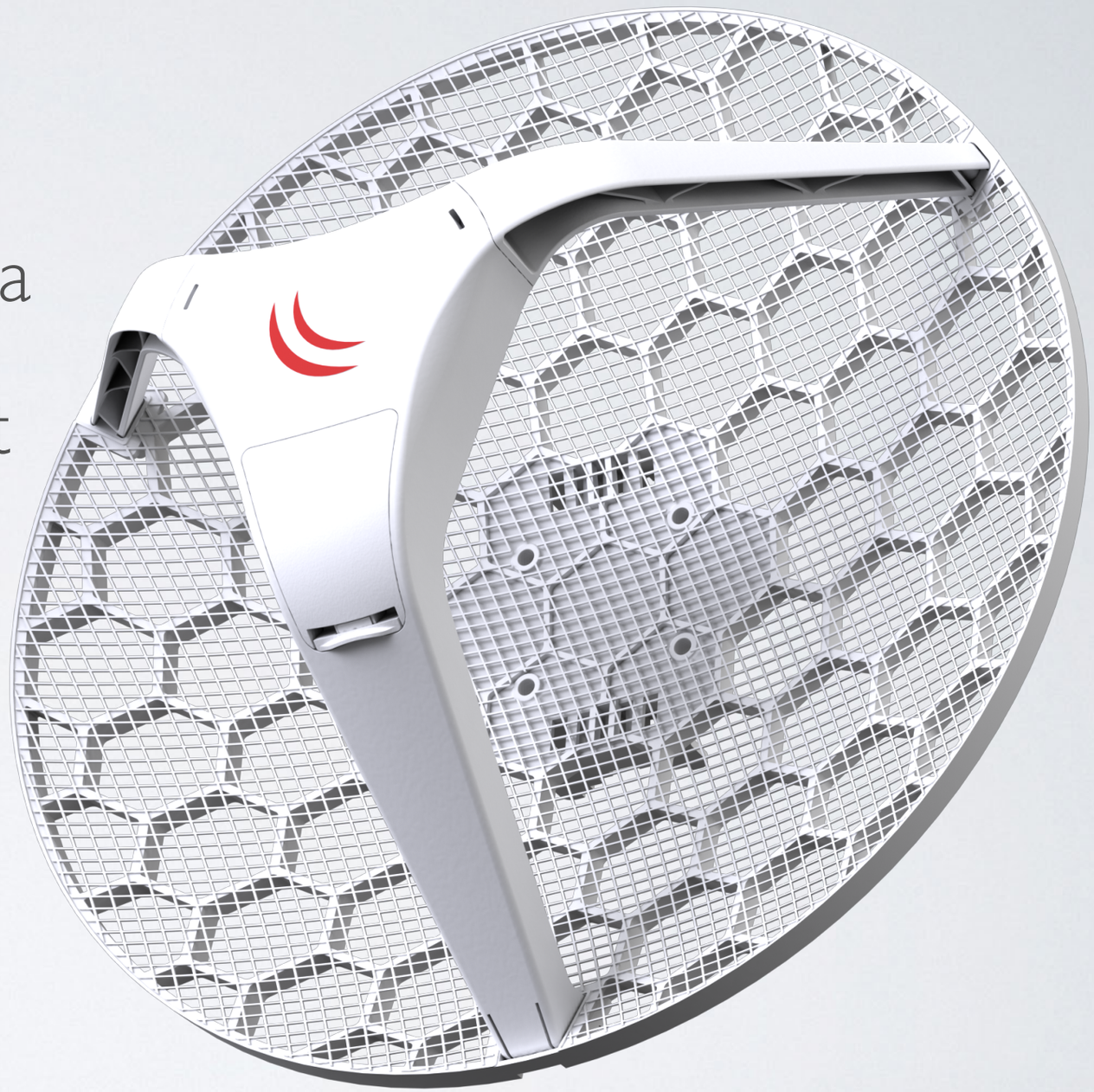




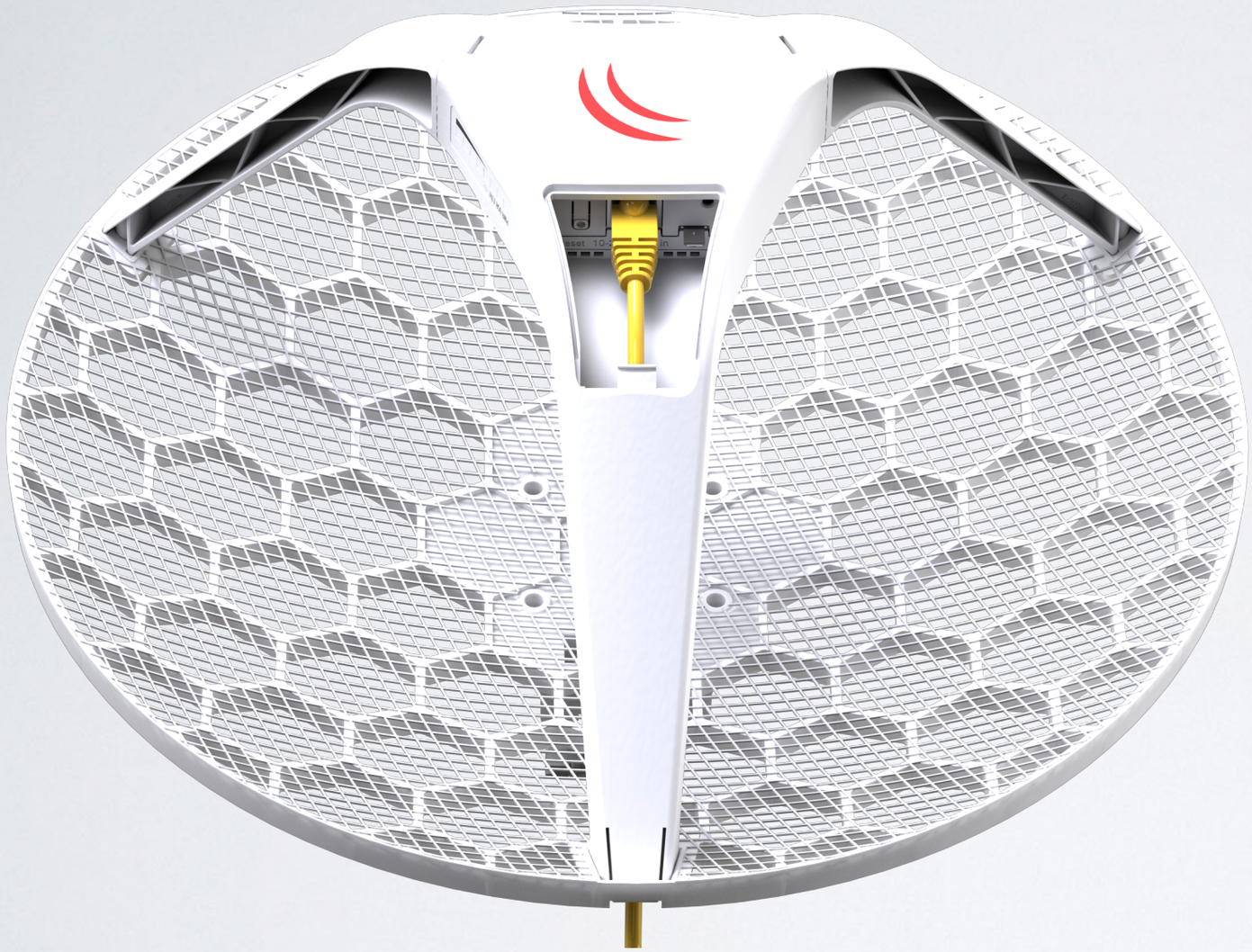
ac update for wAP, gigabit, dual-band!!

LHG 5

- Light Head Grid, 24.5 dBi antenna
- Antenna is built into wireless unit
- 802.11 a/n dual chain
- Very affordable



LHG 5





ALL PRODUCTS

- Include free software upgrades for life
- Run the same RouterOS software

New RouterOS features

RouterOS Version Types

- **Bugfix only** - long time support version with bug fixes included
- **Current** - version with the latest tested features
- **Release candidate** - the latest release candidate version with the newest features
- **Development** - latest version of v7 beta version (not available yet)

Life Cycle

- **6.32.4** - bugfix only
- **6.34.2** - current
- **6.35rc12** - release candidate

Life Cycle Explained

- **6.34.2** - current version
- bugfixes added 6.34.3, 6.34.4
- might become "bugfix only"

- **6.35rc** - release candidate
- new features added 6.35rc15
- will become "current"

…one more thing

6.34 RouterOS Changelog!

147 lines

CHR

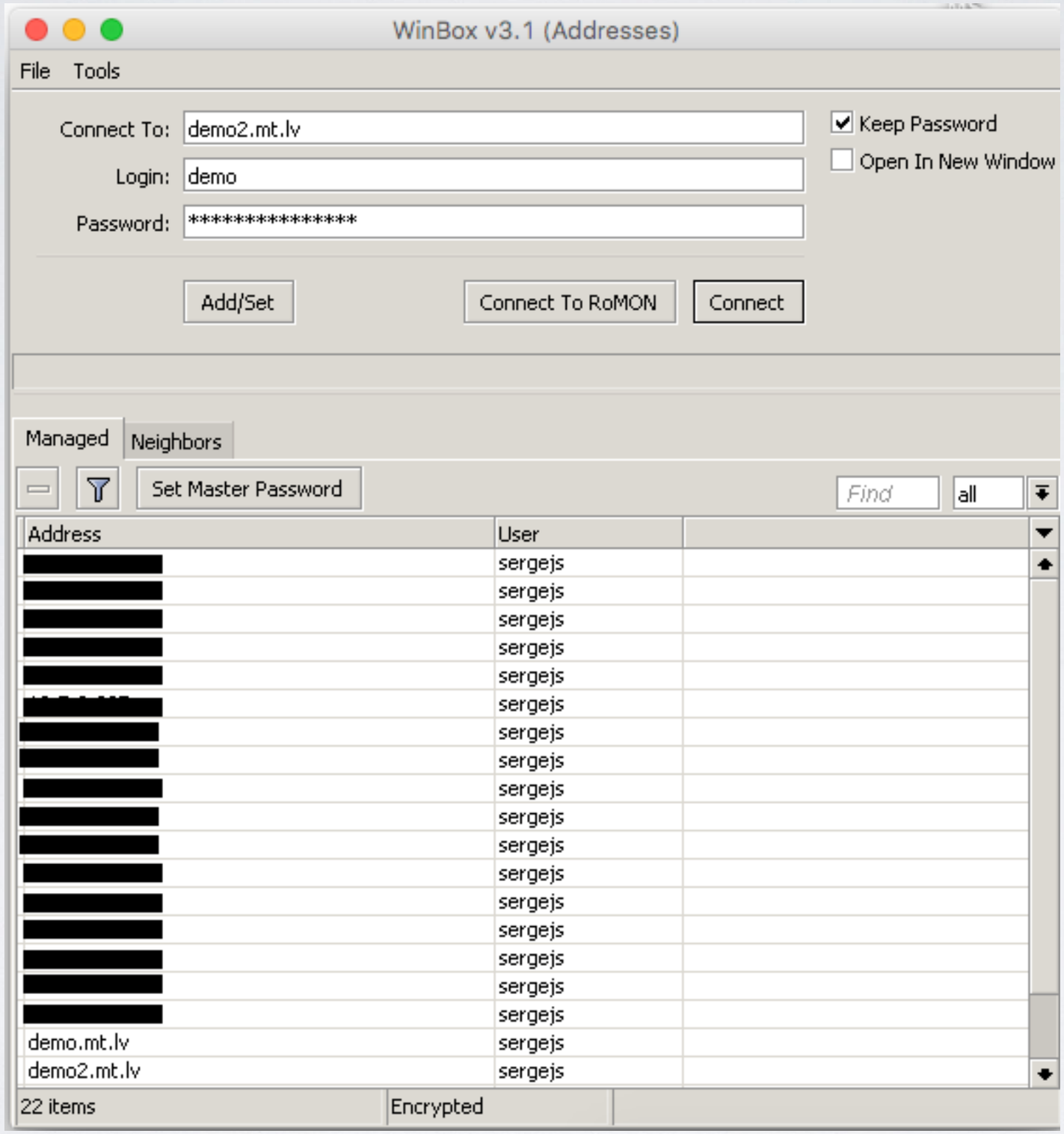
- New life for x86 devices
- 64bit architecture support
- Runs on: VMWare, Hyper-V, VirtualBox, KVM, etc.

CHR licenses

License	Speed limit	Price
Free	1Mbit	FREE
P1	1Gbit	$45
P10	10Gbit	$95
P-Unlimited	Unlimited	$250

- 60 day trial available
- license can be transferred

WinBox v3.x


WinBox v3.1 (Addresses)
File
Tools
Connect To:
demo2.mt.lv
Login:
demo
Password:
Keep Password
Open In New Window
Add/Set
Connect To RoMON
Connect
Managed
Neighbors
Set Master Password
Find
all
Address
User
sergejs
demo.mt.lv
demo2.mt.lv
22 items
Encrypted

WinBox v3.x Suggestions?!

support@mikrotik.com

Wireless in v6.35

- new wireless package!
- repeater, background scan…

12:00, presentation by Uldis

Wireless in v6.x

Ask this man in the red shirt



LNS Support

- Introduced in v6.33
- Improved compatibility with most popular LAC implementations in v6.35rc
- PPPoE over L2TP in LNS mode
- RFC3817

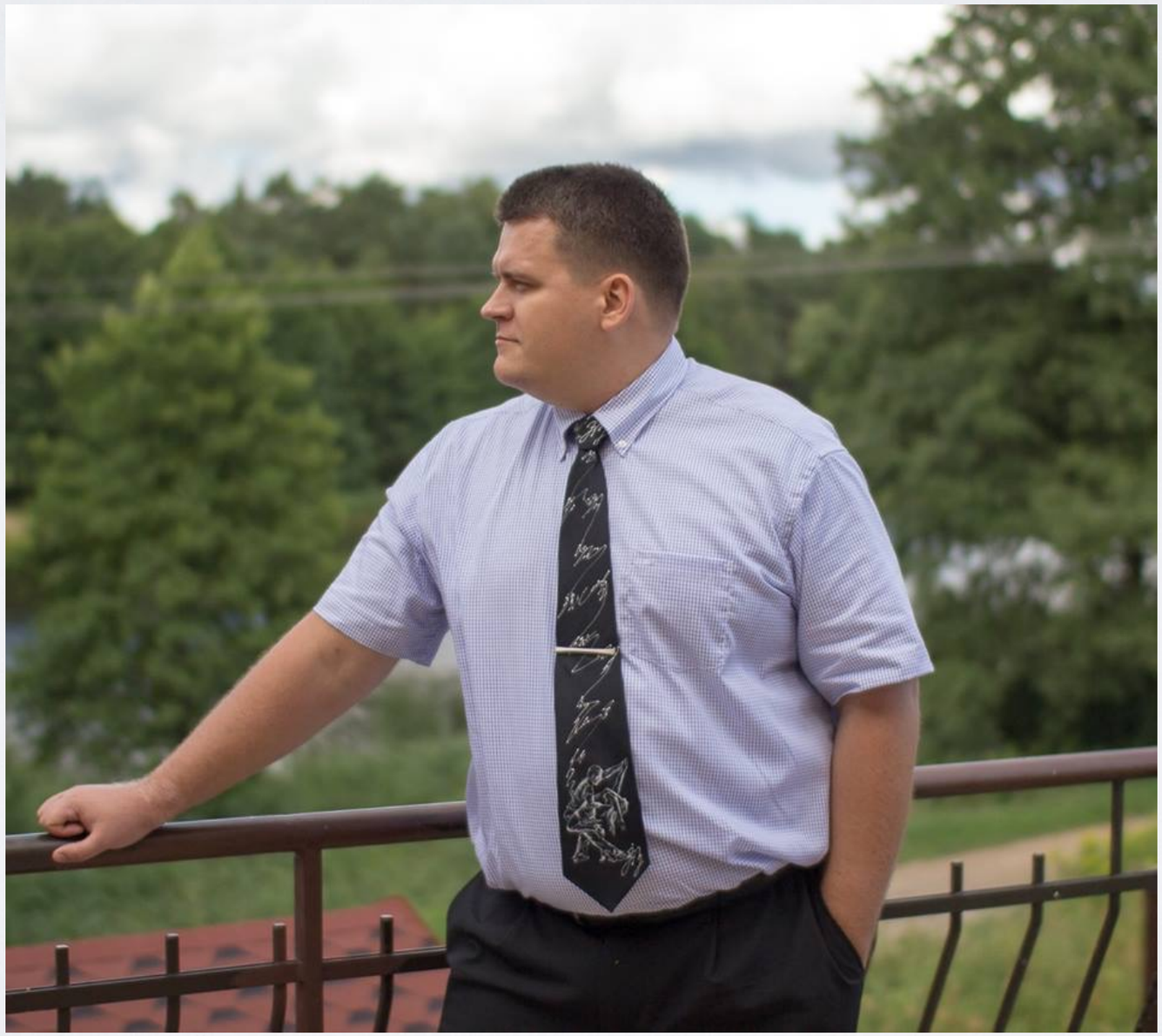
FastPath News

- FastPath for PPPoE!!
- Fasttrack and more

14:45, presentation by Janis

FastPath, CCR, etc., etc.

Ask this man in the black shirt



The Dude

What's new in v6.34 (2016-Jan-29 10:25):

*) dude - The reports of my death have been greatly exaggerated;

The Dude

- server on CCR and x86 (CHR)
- server as a regular RouterOS package
- Windows client
- new features to come!

MikroTik