What’s new
In the Turris world

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Indiegogo campaign

370k USD by 2,721 backers, 150% of requested goal

Maaaany options:

- 7 modules - 4 from start, 3 more during campaign
- two variants of CPU board
- boxed/board only version
- with/without uSD

Everything sent out by the end of June
MOX Features

- customizable even in retail
- open-source
- automatic updates
- even more extensible than Omnia
- comes with Turris OS 4
MOX A

- just a CPU board
- dual core armv8 @ 1 GHz
- 512M/1G RAM
- microSD slot
- 1 GBit Ethernet, one USB3
- PCI-like connector for extensibility
  - own wiring described in documentation
MOX A - board
SDIO WiFi Addon

- 2x2 MIMO dual band card
- Bluetooth 4.1
PoE Addon

- powering MOX through PoE
- 802.3at and 802.3af compatible
MOX B & MOX G

- addon with mPCIe (USB also available)
- SIM slot on board
- B terminates PCI bus, G passes it through
MOX C

- 2.5 Gbit line to CPU
- terminates SGMI bus
MOX D

- 2.5 GBit SFP module
- terminates SGMI bus
MOX E

- 2.5 Gbit line to CPU and other modules
- passes through SGMI bus
MOX F

- PCI attached USB 3 controller
- can be separately powered
MOX Configurator

https://mox-configurator.turris.cz

Available modules

Your configuration

Features overview

- RJ-45
- USB3.0
- Wi-Fi
Retail

TURRIS MOX
Modular, Open-Source, sicher.
Erstellen Sie Ihr eigenes Netzwerkgerät nach Ihren Wünschen.
Retail items

- individual boxed modules
- sets
  - MOX Start - 1G RAM, MOX A with accessories
  - MOX Pocket Wi-Fi - 512M RAM, MOX A + SDIO Wi-Fi
  - MOX Power Wi-Fi - Pocket Wi-Fi + MOX B + mPCIe Wi-Fi
  - MOX Classic WiFi - Power Wi-Fi + MOX C
Feedback?

- quite complex for end users
  - novel approach - might take some time
- sparked some business interest
  - companies looking for something smaller
    - IoT gateway
    - other embedded gateways
  - companies looking for something larger
    - Telco looking for a big smart switch
What about Omnia?

Silver is back...
Omnia as a platform - Mozilla

- custom firmware for Turris Omnia
- focused on securing IoT devices
Omnia as a platform - CTU

- Czech Telecommunication Office
- Omnia with LTE cards deployed to measure LTE bandwidth
- several cars and trains to measure signal quality
Omnia as a platform - Kalmar

- about thousand buses, trains and taxis
- providing Wi-Fi onboard
- connectivity for ticketing system
- onboard information display
- location and in vehicle IoT
Omnia as a platform - Kalmar

- cloud monitored and controlled
- regularly over 4 thousand users on 400 routers
- 841 Mb/s download, 54 Mb/s upload
Turris OS 4.0

Announced last year

- based on OpenWrt 18.06
- our own feed with our software
- set of patches against OpenWrt
- set of patches against feeds
- much closer cooperation with upstream
Turris OS ZOO

- HBS - Here Be Snails - 🐌
  - slow and stable - for normal users

- HBT - Here Be Turtles - 🐢
  - lite faster - testing stuff before release

- HBK - Here Be Kittens - 🐱
  - fast with fangs - fixes development branch

- HBL - Here Be Lions - 🦁
  - fast with big fangs - features development branch

- HBD - Here Be Dragons - 🐉
  - even more dangerous - future development branch
  - currently 5.0 based on 19.07
Nextcloud integration

- package list
- plugin in Foris
- easy setup

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<tr>
<th>Device</th>
<th>Description</th>
<th>Filesystem</th>
<th>UUID</th>
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</table>

Changes to this setting will take effect on next reboot!

**Nextcloud**

Nextcloud puts your data at your fingertips, under your control. Store your documents, calendar, contacts and photos on a server at home.

You still need to configure your Nextcloud, please set your admin credentials below:

Login: 
Password: 

Setup
ReForis

- Web frontend redesign
- no more Bottle
- Flask + Bootstrap + React
- modern technologies
- easier to understand and extend
Notifications

- Installed version git-19.276.84187-82b9d61-1.0 of package luci-app-openvpn
- Installed version git-19.276.84187-82b9d61-1.0 of package luci-lib-jsonc
- Installed version git-19.276.84187-82b9d61-1.0 of package luci-lib-ip
- Installed version git-19.2...

Show more

- New device appeared on your network (MAC address [redacted], hostname [redacted])
New documentation

- old documentation looked dated
- it was hard to navigate
- hard to distinguish official vs community

Now we have two:

- https://wiki.turris.cz
  - old one, will transform to community wiki
- https://docs.turris.cz
  - new one, official stuff only
Thank you

Links

https://www.turris.cz

https://docs.turris.cz

https://mox-configurator.turris.cz

Questions?