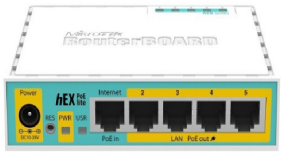
MikroTik
RB750UPr2 hEX PoE Lite is a Router

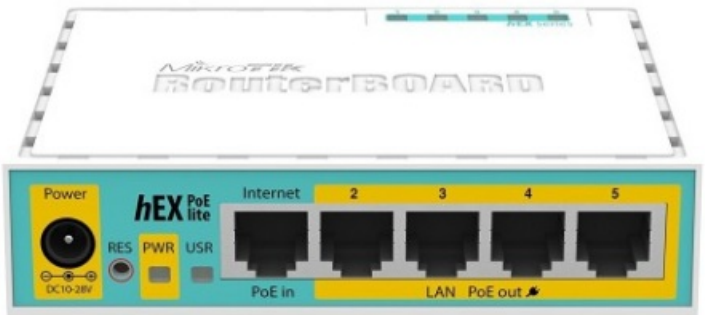


mikrotikls RB750UPr2 hEX PoE Lite is a Router User Guide

Contents

MikroTik

mikrotikls RB750UPr2 hEX PoE Lite is a Router



Specifications

- **Model**: hEX PoE lite (RB750UPr2)
- **Ports:** 5 Ethernet ports, 1 USB 2.0 port
- **PoE Power Output:** Ports 2-5 (500 mA maximum per port)
- **Power Input**: 8-28 V DC
- **Power Consumption:** 2.4 W (normal), 3.6 W (maximum load)

Product Usage Instructions

- Accepts power from the power jack or the first Ethernet port (Passive PoE). Power input: 8-28 V DC. Power output enabled in RouterOS software. Maximum power output per port: 500mA.
- Five Ethernet ports support automatic cross/straight cable correction. One USB type A port is available.
- Reset button has three functions: reset RouterOS to defaults, clear all configuration and defaults, and look for Netinstall servers.
- Supports RouterOS software with the specified version number. Other OS not tested.

The hEX PoE lite is a router with five Ethernet ports. It has one USB 2.0 port and supports PoE power output to ports 2-5 (500 mA maximum per port).

Safety Warnings

- Before you work on any equipment, be aware of the hazards involved with electrical circuitry, and be familiar with standard practices for preventing accidents.
- Ultimate disposal of this product should be handled according to all national laws and regulations.
- The Installation of the equipment must comply with local and national electrical codes.
- This product is intended to be installed indoors. Keep this product away from water, fire, humidity, or hot environments.
- Use only the power supply and accessories approved by the manufacturer, and which can be found in the original packaging of this product.
- Read the installation instructions before connecting the system to the power source.
- We cannot guarantee that no accidents or damage will occur due to the improper use of the device.
- Please use this product with care and operate at your own risk!
- In the case of device failure, please disconnect it from the power.
- The fastest way to do so is by unplugging the power plug from the power outlet.
- It is the customer’s responsibility to follow local country regulations, including operation within legal frequency channels, output power, cabling requirements, and Dynamic Frequency Selection (DFS) requirements.
- All Mikrotik devices must be professionally installed.

First use

- Connect your WAN cable to port 1, and LAN computers to ports 2-5.
- Set the LAN computer IP configuration to automatic (DHCP).
- The default IP address from the LAN is 192.168.88.1.
- User the username ” admin and no password (or, for some models, check user and wireless passwords on the sticker)

Powering

The board accepts power from the power jack or from the first Ethernet port (Passive PoE):

- direct-input power jack (5.5 mm outside and 2 mm inside, female, pin positive plug) accepts 8-28 V DC,
- The first Ethernet port accepts passive Power over Ethernet and accepts 8-28 V DC.

Normally the power consumption of this device is 2.4 W, and under maximum load 3.6 W.

Power output

- This device can supply PoE powering to external devices from its Ethernet ports.
- This is convenient as you don't need any additional PoE injectors to power other devices.
- This feature is indicated by the letter "P" in the device model name.
- The output voltage will be the same as the input Voltage, and this feature will have to be enabled on the specific ports in RouterOS software. By default, it is disabled.
- The maximum power output of each Ethernet port in this mode is 500mA.
- Once Power Output is enabled in RouterOS, the Ethernet LED light turns from Green to Red. Red LED means the port is currently providing PoE power.

Configuration

- Once logged in, we recommend clicking the "Check for updates" button in the QuickSet menu, as updating your RouterOS software to the latest version ensures the best performance and stability.
- For wireless models, please make sure you have selected the country where the device will be used, to conform with local regulations.
- RouterOS includes many configuration options in addition to what is described in this document.
- We suggest starting here to get yourself accustomed to the possibilities: **https://mt.lv/help**. In case IP connection is not available, the Winbox tool (**https://mt.lv/winbox**) can be used to connect to the MAC address of the device from the LAN side (all access is blocked from the Internet port by default).
- For recovery purposes, it is possible to boot the device from the network; see the section Reset button.

Extension Slots and Ports

- Five individual Ethernet ports, supporting automatic cross/straight cable correction (Auto MDI/X), so you can use either straight or cross-over cables for connecting to other network devices. The Ethernet port accepts 8-28 V
- DC power from a passive PoE injector, 12 V or more, is recommended to compensate for the loss in cables. One USB type A.

Reset button
The reset button has three functions:

- Release the button when the green LED starts flashing to reset the RouterOS configuration to default.
- Release the button when the LED turns solid green to clear all configurations and defaults.

- Release the button after the LED is no longer lit (~20 seconds) to cause the device to look for Netinstall servers (required for reinstalling RouterOS over the network).

Regardless of the above option used, the system will load the backup RouterBOOT loader if the button is pressed before power is applied to the device. Useful for RouterBOOT debugging and recovery.

Operating System Support

The device supports RouterOS software with the version number at or above what is indicated in the RouterOS menu /system resource. Other operating systems have not been tested.

- To avoid pollution of the environment, please separate the device from household waste and dispose of it in a safe manner, such as in designated waste disposal sites. Familiarize yourself with the procedures for the proper transportation of the equipment to the designated disposal sites in your area.

FCC STATEMENT

Federal Communication Commission Interference Statement
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used per the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This unit was tested with shielded cables on the peripheral devices. Shielded cables must be used with the unit to ensure compliance.

Innovation, Science and Economic Development Canada
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
This Class A digital apparatus complies with Canadian ICES-003.

- CAN ICES-003 (A) / NMB-003 (A)

UKCA Marking

CE Declaration of Conformity
Manufacturer: Mikrotikls SIA, Brivibas gatve 214i Riga, Latvia, LV1039.

The information contained here is subject to change. Please visit the product page on www.mikrotik.com for the most up-to-date version of this document.

- hexpoelite
- hexpoe
- hex
- https://help.mikrotik.com/docs/spaces/UM/pages/18350102/hEX+PoE+lite

FAQ

- **Q: How do I enable PoE power output on specific ports?**
- **A**: PoE power output needs to be enabled in the RouterOS software. By default, it is disabled. Once enabled, the Ethernet LED light turns from Green to Red, indicating the port is providing PoE power.
- **Q: What is the default IP address for LAN access?**
- **A:** The default LAN IP address is 192.168.88.1 with the username ‘admin’ and no password.

Documents / Resources

	mikrotikls RB750UPr2 hEX PoE Lite is a Router [pdf] User Guide RB750UPr2, RB750UPr2 hEX PoE Lite is a Router, hEX PoE Lite is a Router, PoE Lite is a Router, Router

References

- MikroTik Routers and Wireless
- Log into Atlassian - MikroTik Documentation
- Labeled content - User manuals - MikroTik Documentation
- Labeled content - User manuals - MikroTik Documentation
- Labeled content - User manuals - MikroTik Documentation
- Page Comparison - hEX PoE lite (v.4 vs v.5) - User manuals - MikroTik Documentation
- hEX PoE lite - User manuals - MikroTik Documentation
- MikroTik Routers and Wireless - Buy
- MikroTik Routers and Wireless - Buy
- Collaboration software for software, IT and business teams

- MikroTik Routers and Wireless
- User Manual