RouterBOARD OmniTik U-5HnD

Quick Setup Guide and Warranty Information

The RouterBOARD **OmniTik** comes preinstalled in an outdoor case, with a built-in 5GHz 802.11a/n wireless and five 10/100 Ethernet ports which support MDI-X auto detection. There are two built-in antennas. One antenna is v-pol, the other is h-pol. Antenna gain is 6-6.5dbi. The device is packaged with a 24V power adapter, a PoE injector, a mounting bracket and a hose clamp.

First use

1. Open the small door on the bottom of the case and connect an Ethernet cable to the Ethernet port. If you want to connect more than one Ethernet cable, you have to break out the hole blockers.
2. OmniTik accepts 8-30V Passive PoE on WAN port (ether1) from a PoE injector; the package includes a 24V power adapter and a PoE injector.
3. The default IP address from LAN (From ether 2-5 and wireless SSID "MikroTik") is 192.168.88.1 for configuration
4. Username is **admin** and there is **no password**

Powering

The board accepts powering from the Ethernet port (Passive PoE):

- Ethernet port accepts passive Power over Ethernet 8-30V DC. Package contains a 24V adapter and a PoE injector.

Maximum power consumption of the device is 9W.

Booting process

RouterOS is the operating system of all RouterBOARD routers. Please see detailed configuration guide here http://wiki.mikrotik.com/wiki/Category:Manual
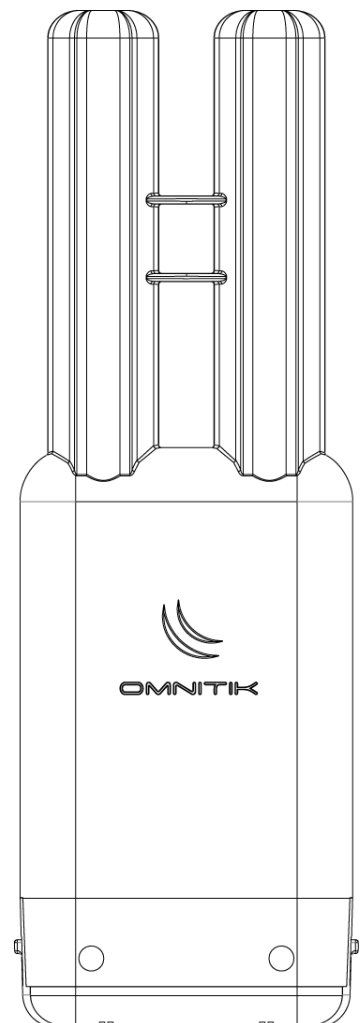
This device doesn't come fitted with a Serial Port connector, so initial connection has to be done via the Ethernet cable, using the MikroTik Winbox utility. Winbox should be used to connect to the default IP address of **192.168.88.1** with the username **admin** and **no password**.

In case you wish to boot the device from network, for example to use MikroTik Netinstall, hold the RESET button of the device when starting it until the LED light turns off, and Groove will start to look for Netinstall servers.

In case IP connection is not available, Winbox can also be used to connect to the MAC address of the device. More information here: **http://wiki.mikrotik.com/wiki/First_time_startup**

Mounting

OmniTik comes bundled with one mounting bracket and one hose clamp for putting the device on a pole. You should avoid connecting a loose Ethernet cable to the Ethernet port, secure the cable to a wall or the pole, so that the cable weight is not pulling the port. It is recommended to secure the Ethernet cable less than 2m from the device. This is to ensure that the cable doesn't damage the port by its weight, or doesn't fall out.

Expansion Slots and Ports

- One built in 5GHz 802.11a/n wireless, 2x2 MIMO. Two built-in antennas (h-pol and v-pol)
- There are five individual 10/100 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 First Ethernet port accepts 8-30V DC powering from a passive PoE injector.
- One USB2.0 port

Buttons and Jumpers

- RouterOS reset jumper hole (no direct access, board has to be removed from case) – resets RouterOS software to defaults. Must short circuit the metallic sides of the hole (with a screwdriver, for example) and boot the device. Hold screwdriver in place until RouterOS configuration is cleared.
- RouterBOOT reset button (access through the plastic door) has two functions:
    - Hold this button and power on the device, after 15 seconds, release the button to **reset RouterOS configuration** (same result as with reset hole)
    - Hold this button and power on the device, after 25 seconds release it to make the device **look for Netinstall servers.**

Operating System Support

Currently tested operating system is MikroTik RouterOS (starting from version v5).

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Hardware. MikroTik warrants all RouterBOARD series equipment for the term of fifteen (15) months from the shipping date to be free of defects in materials and workmanship under normal use and service, except in case of damage caused by mechanical, electrical or other accidental or intended damages caused by improper use or due to wind, rain, fire or other acts of nature.

To return failed units to MikroTik, you must perform the following RMA (Return Merchandise Authorization) procedure. Follow the instructions below to save time, efforts, avoid costs, and improve the speed of the RMA process.

1. If you have purchased your product from a MikroTik Reseller, please contact the Reseller company regarding all warranty and repair issues, the following instructions apply ONLY if you purchased your equipment directly from MikroTik in Latvia.
2. We do not offer repairs for products that are not covered by warranty. Exceptions can be made for RB1000, RB1100 and RB1200.
3. Out-of-warranty devices and devices not covered by warranty sent to Mikrotikls will be returned to the sender at sender's cost.

RMA Instructions are located on our webpage here: **http://rma.mikrotik.com**

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