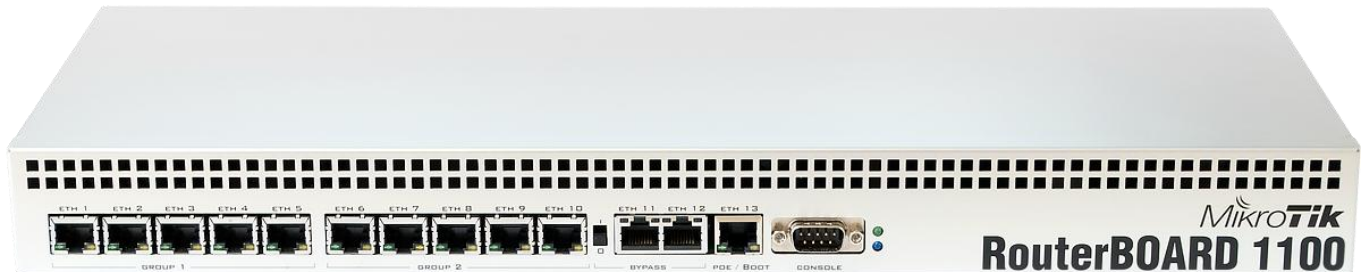# RouterBOARD 1100AH and 1100AHx2

Quick Setup Guide and Warranty Information

The RB1100 is a rackmount router with 13 Gigabit Ethernet ports, serial port and PoE support. Two of the ports provide bypass functionality. There are two models, a single core 1066MHz PPC processor (RB1100AH), or with a *dual core* 1066MHz PPC processor with hardware encryption support (RB1100AHx2).

First use

The RB1100 device comes preinstalled with RouterOS and is ready to use. RB1100 is compatible with RouterOS v5 and newer, if your device comes preinstalled with an earlier version, please upgrade before using it: http://wiki.mikrotik.com/wiki/Manual:Upgrading_RouterOS

- Optionally, you may open the case and install a microSD card into the provided slot, for additional storage
- Connect ethernet cables
- Plug in the IEC C13 power cable into the back of the device to power it on.

Powering

The board accepts powering from the power connector on the back of the case, or 24V PoE on Ethernet port 13.

The device supports 110-220V at the built in PSU, and 12-24V when powering directly to the board and not using the provided case/PSU.

Booting process

First, RouterBOOT loader is started. It displays some useful information on the onboard RS232C asynchronous serial port. The serial port is set by default to 115200bit/s, 8 data bits, 1 stop bit, no parity.

The **RouterOS** system will then load. It will be also indicated by two beeps.

Note that the device does not fully implement the hardware (RTS/CTS) flow control, so it is suggested to try to disable hardware flow control in the terminal emulation program in case the serial console does not work as expected, and if it does not help, make a new cable using the pin out given in the User's manual.

The loader may be configured to boot the system from the onboard NAND, and/or from network. See the respective section of User's manual on how to configure booting sequence and other BIOS parameters. DHCP or BOOTP (configurable in loader) protocols allow the RouterBOARD to get an initial IP address, and provide the address of a TFTP server to download an ELF boot image from. It is especially useful for software installation.

More information on connecting to the device: **http://wiki.mikrotik.com/wiki/Manual:First_time_startup**

Extension Slots and Ports

- 13 Gigabit 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.
- DB9 RS232C asynchronous serial port.
- SODIMM memory slot, populated with 2GB DDR2 667MHz SODIMM memory (Only 1.5GB recognized due to RouterOS limitation).
- A built in microSD slot is available on the board when opening the case.

Operating System Support

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

Copyright and Warranty Information

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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 and RB1100.
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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