

# RouterBOARD 1100 series

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The RB1100 is a rack-mountable ethernet router with 13 Gigabit Ethernet ports. Two of the ports provide bypass functionality.

## Powering

The device accepts powering from the dual/failover IEC power connectors on the back of the case. You can use either of them separately or both connectors at the same time, for failover purposes. The device also accepts 12-57V passive or 802.3af/at PoE on Ethernet port 13. The device also has a terminal block for Telecom -48V DC supply or any other DC supply in 24-57V range.

## Booting process

First, RouterBOOT loader is started. It displays boot 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.

You can connect to the device with SSH, Winbox GUI or the web interface, by plugging your computer into port Ether1, and connecting to 192.168.88.1. The device doesn't have DHCP server enabled by default, your PC should be configured with an address from this network.

More information on connecting to the device: <http://mt.lv/help>

## 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. ETH13 port accepts PoE power, and can be used to boot the device from network for reinstalling with the Netinstall utility (see documentation)
- DB9 RS232C asynchronous serial port
- microSD slot
- 2x M.2 slots, accepting SATA type M.2 SSD disks in 2280 form factor (only Dx4 model)
- 2x 2.5 inch SATA connectors, accepting standard 2.5" SATA HDD disks (only Dx4 model)

## Buttons and jumpers

The **reset button** has the following two functions:

- Hold during boot time until USR LED light starts flashing, release the button to reset RouterOS (total 5 seconds)
- Keep holding the button until USR LED turns off, then release it to make the RouterBOARD look for Netinstall servers on port 13 (total 15 seconds)

If you start holding the Reset button before applying power, it will also load the backup RouterBOOT loader, in addition to the above actions. This may help to solve RouterBOOT issues and give you the opportunity to downgrade/upgrade it while in backup loader mode.

The **bypass switch** allows to bind ports 11 and 12 together in bypass mode, which means that if the device loses power, the ports will be connected together, allowing data pass from one port to the other, as if the device would not be there.

## Operating system support

Currently tested operating system is MikroTik RouterOS (starting from version v6.38).

# CE declaration of conformity

Full Declaration of Conformity (DoC) may be obtained by visiting this web page: <http://routerboard.com/doc/>

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**EN. Instruction manual:** Connect the power adapter to turn on the device. Open 192.168.88.1 in your web browser, to configure it. More information on <http://wiki.mikrotik.com> **BG. Инструкции:** Свържете адаптера на захранване, за да включите устройството. Отворете 192.168.88.1 в уеб браузър, за да настроите продукта. Повече информация в <http://wiki.mikrotik.com> **CZ. Návod k použití:** Připojte napájecí adaptér k zapnutí přístroje. Otevřete 192.168.88.1 ve webovém prohlížeči pro konfiguraci produktu. Více informací najdete v <http://wiki.mikrotik.com> **DK. Instruktionsbog:** Tilslut strømadapteren for at tænde for enheden. Åbn 192.168.88.1 i en webbrowser til at konfigurere produktet. Mere information i <http://wiki.mikrotik.com> **FR. Mode d'emploi:** Connectez l'adaptateur d'alimentation pour allumer l'appareil. Ouvrez 192.168.88.1 dans un navigateur Web pour configurer le produit. Plus d'informations dans <http://wiki.mikrotik.com> **DE. Bedienungsanleitung:** Verbinden Sie das Netzteil, um das Gerät einzuschalten. Öffnen Sie 192.168.88.1 in einem Web-Browser, um das Produkt zu konfigurieren. Weitere Informationen im <http://wiki.mikrotik.com> **EE. Kasutusjuhend:** Ühendage toiteadapter seadme sisselülitamiseks. Avatud 192.168.88.1 in veebilehitseja seadistada toodet. Rohkem teavet <http://wiki.mikrotik.com> **ES. Manual de instrucciones:** Conecte el adaptador de alimentación para encender la unidad. Abra 192.168.88.1 en un navegador web para configurar el producto. Más información en <http://wiki.mikrotik.com> **IT. Manuale di istruzioni:** Collegare l'adattatore di alimentazione per accendere l'unità. Aprire 192.168.88.1 in un browser Web per configurare il prodotto. Maggiori informazioni in <http://wiki.mikrotik.com> **LV. Lietošanas instrukcija:** Pievienojiet Strāvas adapteri, lai ieslēgtu ierīci. Atvērt 192.168.88.1 ar interneta pārlūku, lai konfigurētu produktu. Plašāka informācija <http://wiki.mikrotik.com> **LT. Naudojimosi instrukcija:** Prijunkite maitinimo adapterį įjunkite įrenginį. Į interneto naršyklę 192.168.88.1 Atidarykite galite konfigūruoti gaminį. Daugiau informacijos rasite <http://wiki.mikrotik.com> **HU. Használati útastítás:** Csatlakoztassa a hálózati adaptert a készülék bekapcsolásához. Megnyitása 192.168.88.1 egy webböngészőben beállítani a terméket. Több információ <http://wiki.mikrotik.com> **NL. Handleiding:** Sluit voedingsadapter aan op het apparaat in te schakelen. Open 192.168.88.1 in een webbrowser om het product te configureren. Meer informatie in <http://wiki.mikrotik.com> **PL. Instrukcja obsługi:** Podłącz adapter zasilania, aby włączyć urządzenie. Otwórz 192.168.88.1 w przeglądarce internetowej, aby skonfigurować urządzenie. Więcej informacji w <http://wiki.mikrotik.com> **PT. Manual de instruções:** Conecte o adaptador de alimentação para ligar o aparelho. Abra 192.168.88.1 em um navegador da web para configurar o produto. Mais informações em <http://wiki.mikrotik.com> **RO. Instrucțiuni de utilizare:** Conectați adaptorul de alimentare pentru a porni aparatul. Deschide 192.168.88.1 într-un browser web pentru a configura produsul. Mai multe informații în <http://wiki.mikrotik.com> **SK. Návod na použitie:** Pripojte napájací adaptér k zapnutiu prístroja. Otvorte 192.168.88.1 vo webovom prehliadači pre konfiguráciu produktu. Viac informácií nájdete v <http://wiki.mikrotik.com> **SI. Navodila:** Priključite napajalnik za vklop naprave. Odprite 192.168.88.1 v spletnem brskalniku nastavit izdelak. Več informacij v <http://wiki.mikrotik.com> **FI. Käyttöohje:** Kytke virtalähde päälle laitteeseen. Avaa 192.168.88.1 in selaimen määrättä tuotteen. Lisää tietoa <http://wiki.mikrotik.com> **SE. Instruktionsmanual:** Anslut nätadaptern för att slå på enheten. Öppna 192.168.88.1 i en webbläsare för att konfigurera produkten. Mer information på <http://wiki.mikrotik.com> **NO. Bruksanvisningen:** Koble strømadapteren for å slå på enheten. Åpne 192.168.88.1 i en nettleser for å konfigurere produktet. Mer informasjon på <http://wiki.mikrotik.com> **GR. εγχειρίδιο οδηγιών:** Συνδέστε τον προσαρμογέα τροφοδοσίας για να ενεργοποιήσετε τη μονάδα. Ανοίξτε 192.168.88.1 σε ένα πρόγραμμα περιήγησης στο Web για να διαμορφώσετε το προϊόν. Περισσότερες πληροφορίες στο <http://wiki.mikrotik.com>