Cloud Router Switch series

Setup Guide and Warranty Information

The CRS is a highly configurable switch, powered by RouterOS. It has 24 Gigabit ports. Three models currently available:

- CRS125-24G-1S-2HnD-IN (integrated wireless, indoor case)
- CRS125-24G-1S-IN (indoor case)
- CRS125-24G-1S-RM (rackmount case)

First use

The device comes preinstalled with RouterOS and is ready to use. Device is compatible with RouterOS v6 and newer, if your device comes preinstalled with an earlier version, please upgrade before using it.

The Ethernet ports 2-24 are switched, and the device can be accessed via these ports though the IP **192.168.88.1** username is **admin** and there is **no password.** Please connect with your web browser to this IP address to configure it. Ethernet port 1 is configured as a DHCP client and has firewall on it. The SFP port is configured the same way as Ether 1, with a firewall and DHCP client on it.

Please note that for the wireless model, default wireless password is the same as unit serial number. You can check this on the sticker, serial number is 12 symbols long.

See this page for connection and configuration guides: http://wiki.mikrotik.com/wiki/Category:Manual

Powering

The device accepts powering in the following ways:

• Direct-input power jack: 10-28V (24V 0.8A PSU included)

Extension Slots and Ports

- Twenty four (24) 10/100/1000 (Gigabit) Ethernet ports (Auto MDI/X)
- One SFP cage, compatible with 1.25G SFP modules
- Only CRS125-24G-1S-2HnD-IN: Built in 802.11b/g/n 2GHz wireless access point

Resetting the device

In case you wish to return the device to its original configuration, you can use the RESET button. Hold this button during boot time until LED lights start flashing, then release the button to **reset RouterOS configuration.** You can use this procedure if you have forgotten the password to access the device, or simply wish to return the unit to its default configuration state.

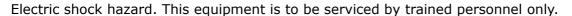
Buttons and Jumpers

- RouterBOOT reset button (image Reset1) has several functions:
 - ✓ Hold the button before powering on the device, and at power up, the button will force load the backup boot loader. Continue holding the button for the other two functions of this button:
 - ✓ Release the button when green LED starts flashing, to reset RouterOS configuration. To not load backup boot loader, you can start holding the button after power is already applied
 - ✓ Release the button after LED is no longer flashing (~20 seconds) to cause device to look for Netinstall servers (required for reinstalling RouterOS over network)
- RouterOS reset jumper hole (image Reset2): **resets RouterOS** software to defaults. Hold screwdriver pressed to this reset hole, and boot the device. Hold screwdriver in place until RouterOS configuration is cleared (10 seconds).

Operating System Support

Currently tested operating system is MikroTik RouterOS (starting from version 6).

Safety Notice





Warranty

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Hardware. MikroTik warrants all RouterBOARD series equipment for the term of twelve (12) 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, CCR, CRS.
- 3. Out-of-warranty devices and devices not covered by warranty sent to MikroTik will be returned to the sender at sender's cost.

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

Manual. This manual is provided "as is" without a warranty of any kind, expressed or implied, including, but not limited to, the implied warranty of merchantability and fitness for a particular purpose. The manufacturer has made every effort to ensure the accuracy of the contents of this manual, however, it is possible that it may contain technical inaccuracies, typographical or other errors. No liability is assumed for any inaccuracy found in this publication, nor for direct or indirect, incidental, consequential or other damages that may result from such an inaccuracy, including, but not limited to, loss of data or profits. Please report any inaccuracies found to support@mikrotik.com

Federal Communication Commission Interference Statement (FCC ID:TV7CRS125-24G2HND)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

This device and its antenna must not be co-located or operation in conjunction with any other antenna or transmitter.

IMPORTANT: FCC RF Exposure requirements.

20 cm minimum distance has to be maintained between the antenna and user. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.



CE Declaration of Conformity

[SE] Swedish

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

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