CRS304-4XG-IN



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This is a compact and powerful device designed to simplify your 10 Gigabit network setups. It comes equipped with 4x10G Ethernet ports that are ready to use right out of the box.

Safety Warnings

Before you work on any MikroTik equipment, be aware of the hazards involved with electrical circuitry, and be familiar with standard practices for preventing accidents. The installer should be familiar with network structures, terms, and concepts.
Use only the power supply and accessories approved by the manufacturer, and which can be found in the original packaging of this product.
This equipment is to be installed by trained and qualified personnel, as per these installation instructions. The installer is responsible for making sure, that the Installation of the equipment is compliant with local and national electrical codes.
Do not attempt to disassemble, repair, or modify the device. If service is needed, please contact MikroTik support.
This product is intended to be installed indoors. Keep this product away from water, fire, humidity, or hot environments.
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!
The socket-outlet shall be installed near the equipment and shall be easily accessible.
In the case of device failure, please disconnect it from power. The fastest way to do so is by unplugging the power adapter from the power outlet.
To avoid contamination of the environment, separate the device from household waste and dispose of it in a safe manner, for example, in designated areas. Become familiar with procedures for properly transporting the equipment to designated collection points in your area

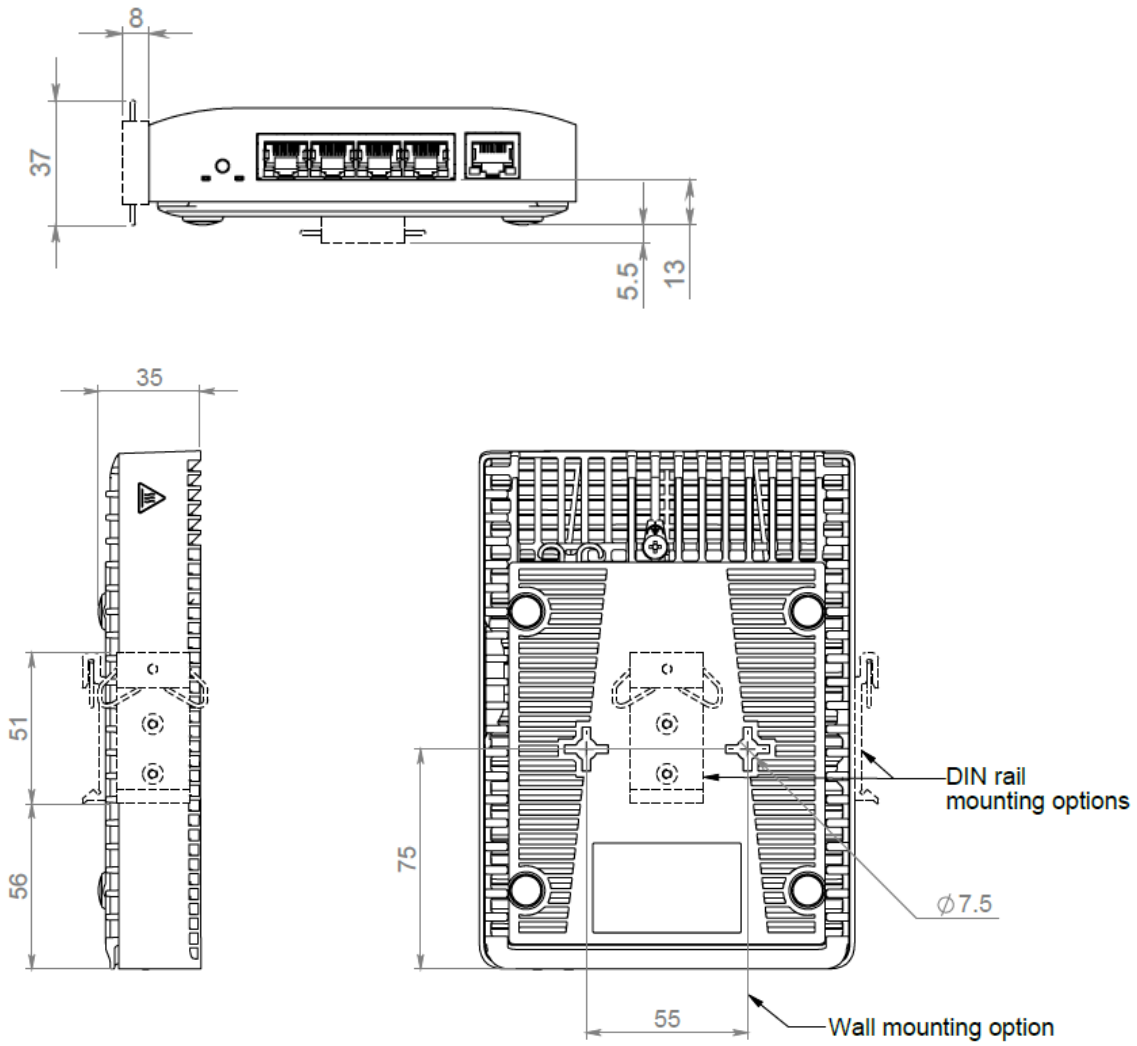
Quick start

- Connect with your computer to the device;
- Connect the device to a power source (see Powering);
- Configuration should be made using a web browser WebFig or the WinBox configuration tool https://mt.lv/WinBox;
- Open http://192.168.88.1 in a web browser to start setup. If the IP address is unavailable, use WinBox and connect using the MAC address. The username is "admin," and there is no password (or, for some models, check user and wireless passwords on the sticker);
- Click the "Check for updates" button and update RouterOS to the latest version;
- For a manual update, visit the products page at https://mikrotik.com/products to find your product. The required packages are accessible under the "Support&Downloads" menu;
- Upload downloaded packages to the WinBox "Files" menu and reboot the device;
- By upgrading your RouterOS software to the latest version, you can ensure optimal performance, stability, and security updates;
- Set up your router password.

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Mounting

This indoor switch offers multiple mounting options, including a side DIN rail mount and standard screw points on the back for easy integration. The DIN rail mount can also be repositioned to the back.



Powering

The device can be powered through two DC power jacks (for redundancy failover), a 2-pin terminal, or the MGMT/BOOT Ethernet PoE-in port:

- Direct input power jacks DC1, DC2 (5.5 mm outside and 2 mm inside, female, pin positive) accept DC 12-57 V DC.
- MGMT/BOOT Ethernet PoE-in port accepts passive or 802.3af/at Power over Ethernet in the range of DC 36-57 V.
- 2-pin terminal accepts DC 12-57 V DC.

The power consumption of this device is 21 W at maximum load and 15 W at minimum.
When powering this device with 802.3af/at, we recommend avoiding grounding for optimal compatibility.

Connecting to a POE Adapter:

1. Connect the device to the included PoE injector using an Ethernet cable, attaching it to the data+power or PoE-out port;
2. Connect the data end of the PoE injector to the computer;
3. Connect the power adapter to the PoE injector.

Booting process

The device supports booting RouterOS (for complete routing and switching configuration) or SwOS (for only using as a switch). By default, the device will boot RouterOS, but you can reboot into SwOS in the following ways:

- From SwOS: In the System menu, click the "Boot RouterOS" button on the bottom of the page.
- From RouterOS: in the System, RouterBOARD menu, click "Settings" and there select "Boot OS".

Configuration

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://help.mikrotik.com/docs/display/ROS/CRS3xx%2C+CRS5xx%2C+CCR2116%2C+CCR2216+switch+chip+features.
The Initial connection should be made using a web browser WebFig or the WinBox configuration tool https://mt.lv/WinBox. Open http://192.168.88.1 in a web browser to start setup. If the IP address is unavailable, use WinBox and connect using the MAC address. The username is "admin," and there is no password (or, for some models, check user and wireless passwords on the sticker). Click the "Check for updates" button and update RouterOS to the latest version;

For recovery purposes, it is possible to reinstall the device from the network, see the Reset button.

Extension Slots and Ports

- Four 1G/2.5G/5G/10G Ethernet ports.
- One Gigabit Ethernet port, suggested to be used for management (Supports Auto MDI/X so you can use either straight or cross-over cables for connecting to other network devices). The MGMT/BOOT Ethernet port can also be used for network booting and recovery with Netinstall.

Reset button

- To reset the configuration, unplug the device from power, press and hold the Reset button, and release it when the USER (USR) LED starts flashing.
- To load the backup bootloader, press and hold the Reset button before applying power, then release it after three seconds.
- To initiate the Netinstall process (booting the device in BOOTP mode to reinstall RouterOS), press and hold the Reset button, power on the device, and wait for the USER (USR) LED to flash, then become stable. When the USR LED turns off, release the Reset button.

Accessories

Package includes the following accessories that come with the device:



48 V 0.95 A power adapter



Fastening set with DIN

Operating system support

The device supports dual boot with SwOS version 2.18 and RouterOS version 7.15.3 or above, as indicated in the RouterOS menu under /system resource. Other operating systems have not been tested.

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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.