

The CRS326 is a network switch with 24 gigabit ethernet ports and two SFP+ cages (modules are not included). The device is ready to use as a switch.

## Powering

The device accepts powering in the following ways:

- Direct input power jack (5.5mm outside and 2mm inside, female, pin positive) accepts 10-30V DC.
- The ethernet port accepts passive Power over Ethernet 10-30V DC.

PoE injector is not included. The power consumption of this device under maximum load is up to 24W.

## 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 the other operating system in the following ways:

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

## Configuration

Full RouterOS and SwOS documentation is located here: <http://mt.lv/help>

This device is not preconfigured other than an IP address on the master ethernet port. You can connect from any port, as all ports are switched together by default. Other configuration has to be applied according to the documentation manual linked above.

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 from any port, with the username admin and no password.

For recovery purposes, it is possible boot the device from network, see Buttons and jumpers.

In case IP connection is not available, the Winbox utility can also be used to connect to the MAC address of the device. Applies only when device has booted RouterOS.

The device is equipped with an RJ45 serial port, set by default to 115200bit/s, 8 data bits, 1 stop bit, no parity. Standard RJ45 to COM cable can be used, pinout can be found here:

[http://wiki.mikrotik.com/wiki/Manual:Serial\\_Console#RJ45\\_type\\_serial\\_port](http://wiki.mikrotik.com/wiki/Manual:Serial_Console#RJ45_type_serial_port)

## Extension slots and ports

- 24 gigabit ethernet ports (With Auto MDI/X so you can use either straight or cross-over cables for connecting to other network devices). The first ethernet port (ether1) accepts 10-30V DC powering from a passive PoE injector.
- 2 SFP+ cages, which accept both 1.25 Gb SFP and 10 Gb SFP+ modules.
- RJ45 serial port.

## Buttons and jumpers

RouterBOOT reset button has the following 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).

## Operating system support

The device supports RouterOS software with the version number at or above what is indicated in the RouterOS menu `/system resource`. The device can also boot SwOS. Other operating systems have not been tested.

## Federal Communication Commission interference statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 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.

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## CE declaration of conformity

Full Declaration of Conformity (DoC) may be obtained by visiting our product page on <https://mikrotik.com>

[EN] English	Hereby, MIKROTIKLS SIA declares that this RouterBOARD is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EC.
[BG] Bulgarian	С настоящето, MIKROTIKLS SIA декларира, че RouterBOARD е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 2014/53/EC.
[CZ] Czech	MIKROTIKLS SIA tímto prohlašuje, že RouterBOARD splňuje základní požadavky a všechna příslušná ustanovení Směrnice 2014/53/ES.
[DK] Danish	Undertegnede MIKROTIKLS SIA erklærer herved, at følgende udstyr RouterBOARD overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EF.
[DE] German	Hiermit erkläre MIKROTIKLS SIA dass sich das Gerät RouterBOARD in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EG befindet.
[EE] Estonian	Käesolevaga kinnitab MIKROTIKLS SIA seadme RouterBOARD vastavust direktiivi 2014/53/EU põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[GR] Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Ο ΚΑΤΑΣΚΕΥΑΣΤΗΣ MIKROTIKLS SIA ΔΗΛΩΝΕΙ ΟΤΙ RouterBOARD ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EK
[ES] Spanish	Por la presente, MIKROTIKLS SIA declara que este RouterBOARD cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 2014/53/EC.
[IT] Italian	Con la presente MIKROTIKLS SIA dichiara che questo RouterBOARD è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/CE.
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[HU] Hungarian	A MIKROTIKLS SIA ezzennel kijelenti, hogy a RouterBOARD típusú berendezés teljesíti az alapvető követelményeket és más 2014/53/EK irányelvben meghatározott vonatkozó rendelkezéseket.
[NL] Dutch	Hierbij verklaart MIKROTIKLS SIA dat het toestel I RouterBOARD in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EG.
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[PT] Portuguese	Eu, MIKROTIKLS SIA declaro que o RouterBOARD cumpre os requisitos essenciais e outras provisões relevantes da Directiva 2014/53/EC.
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[NO] Norwegian	MIKROTIKLS SIA Erklærer herved at RouterBOARD er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EF.

**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 [mt.lv/help](http://mt.lv/help)