




MikroTik CSS326-24G-2S+RM Gigabit Ethernet User Guide

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MikroTik CSS326-24G-2S+RM Gigabit Ethernet



Product Information

The CSS326-24G-2S+RM is a switch with 24 Gigabit Ethernet ports and two SFP+ ports. It is equipped with a switch chip to ensure all ports are connected efficiently. The device runs the SwOS operating system, specifically designed for switches.

Safety Warnings:

Before using the device, please read and follow the safety warnings provided in the user manual to ensure safe operation.

Quick Start:

To quickly set up the device, follow these steps:

1. Install the device into the rackmount (refer to the “Mounting” section for instructions).
2. Connect your managed devices to the available Ethernet ports.
3. Connect the power source to the device.

Powering:

The device can be powered using two methods:

- **Direct-input power jack:** The device accepts power from a power jack with specifications of 5.5mm outside and 2mm inside, female, pin-positive plug. It supports 11-30V DC input.
- **Passive PoE:** The first Ethernet port of the device accepts passive PoE input with 11-30V DC. This allows you to power the device using PoE technology.

The power consumption of the device is 19W.

Connecting to a PoE Adapter:

1. Connect an Ethernet cable from the device to the PoE+DATA port of the PoE adapter.
2. Connect an Ethernet cable from your local network (LAN) to the PoE adapter.
3. Connect the power cord to the adapter, and then plug the power cord into a power outlet.

Extension Slots and Ports:

The device features the following ports:

- **24 individual Gigabit Ethernet ports:** These ports support automatic cross/straight cable connection (Auto MDI/X). You can use either straight or cross-over cables for connecting to other network devices.
- **2 SFP+ ports:** These ports are designed for using 10G SFP+, 1.25G Optical fibre, or copper Ethernet modules.

Specifications:

For detailed specifications, please refer to the [MikroTik SFP module compatibility table](#) on the MikroTik wiki page.

Product Usage Instruction

Mounting:

The device can be mounted in a rackmount enclosure or placed on a desktop.

Rackmount Enclosure:

To mount the device in a rackmount enclosure, follow these steps:

1. Use a Phillips screwdriver to attach the rackmount ears on both sides of the device.
2. Tighten four screws to secure the rackmount ears in place.
3. Place the device in the rackmount enclosure and align it with the holes.
4. Tighten screws to secure the device in place.

Note:

The IP rating scale for this device is IPX0, which means it has no protection from water contamination. Therefore, ensure the device is placed in a dry and ventilated environment.

Mounting and configuration of this device should be done by a qualified person. We recommend using Cat6 cables for our devices.

Reset Button:

The device is equipped with a reset button that allows you to reset the SwOS configuration and load backup software for reinstallation and upgrade. To perform a reset, follow these steps:

1. Hold the reset button during boot time until the LED light starts to flash.
2. Release the button to initiate the reset process.

Operating System Support:

This device runs SwOS, which is the only supported operating system for this device. For more information about SwOS, please refer to the [SwOS/CSS326 wiki page](#).

Disposal:

To avoid pollution of the environment, please separate the device from household waste and dispose of it in a safe manner, such as in designated waste disposal sites. Familiarize yourself with the procedures for the proper transportation of the equipment to the designated disposal sites in your area.

Frequently Asked Questions (FAQ):

- **Q: Can I power the device using Power over Ethernet (PoE)?**

A: Yes, you can power the device using passive PoE through the first Ethernet port.

- **Q: What is the power consumption of the device?**

A: The device consumes 19W of power.

- **Q: Can I use both straight and cross-over cables for connecting to other network devices?**

A: Yes, the device supports automatic cross/straight cable connection (Auto MDI/X), allowing you to use either type of cable.

- **Q: What is the IP rating of the device?**

A: The device has an IPX0 rating, meaning it has no protection from water contamination.

The CSS is a switch with 24 Gigabit Ethernet ports and two SFP+ ports. All ports are connected through a switch chip. The device runs SwOS operating system, specifically made for Switches.

Safety Warnings

Before you work on any equipment, be aware of the hazards involved with electrical circuitry, and be familiar with standard practices for preventing accidents. Ultimate disposal of this product should be handled according to all national laws and regulations. The Installation of the equipment must comply with local and national electrical codes. This unit is intended to be installed in the rackmount. Please read the mounting instructions carefully before beginning installation. Failure to use the correct hardware or to follow the correct procedures could result in a hazardous situation to people and damage to the system.

- This product is intended to be installed indoors. Keep this product away from water, fire, humidity or hot environments.
- Use only the power supply and accessories approved by the manufacturer, and which can be found in the original packaging of this product.
- Read the installation instructions before connecting the system to the power source.
- 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!
- In the case of device failure, please disconnect it from power. The fastest way to do so is by unplugging the power plug from the power outlet.
- It is the customer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, cabling requirements, and Dynamic Frequency Selection (DFS) requirements. All Mikrotik devices must be professionally installed.

Quick start

- Install the device into the rackmount (see "Mounting").
- Connect your managed devices.
- Connect the power source.
- In your computer, set the IP address to static: 192.168.88.2/24
- Open your web browser and enter the IP address of your Switch (192.168.88.1 by default) and the login screen will appear. https://wiki.mikrotik.com/wiki/SwOS/CSS326#Connecting_to_the_Switch.
- User name admin and no password, (or, for some models, check user and wireless passwords on the sticker)
- We recommend clicking the "Check for updates" button and updating your software to the latest version to ensure the best performance and stability.
- Set up your password to secure the device.

Powering

The device accepts power from the power jack or from the first Ethernet port (Passive PoE).

- Direct-input power jack (5.5mm outside and 2mm inside, female, pin-positive plug) accepts 11-30V DC.
- The first Ethernet port accepts passive PoE input 11-30V DC.
- Power consumption 19 W.

Connecting to a PoE Adapter:

1. Connect the Ethernet cable from the device to the PoE+DATA port of the PoE adapter.
2. Connect an Ethernet cable from your local network (LAN) to the PoE adapter.

3. Connect the power cord to the adapter, and then plug the power cord into a power outlet.

Extension slots and ports

- 24 individual Gigabit Ethernet ports, supporting automatic cross/straight cable connection (Auto MDI/X), so you can use either straight or cross-over cables for connecting to other network devices.
- 2 SFP+ ports for using 10G SFP+, 1.25G Optical fiber or copper Ethernet modules

Specifications

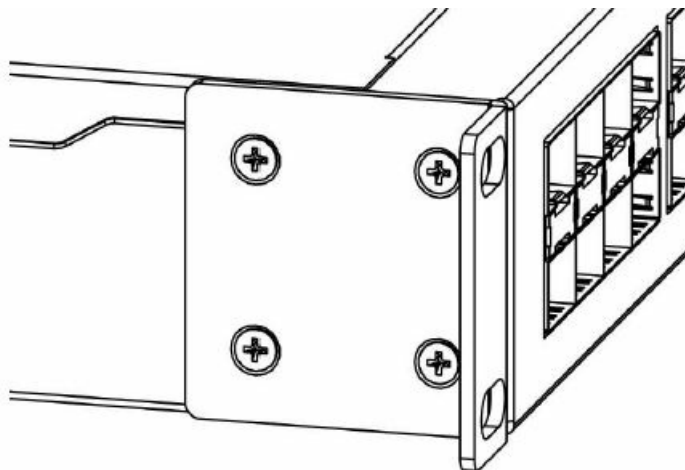
Please visit the wiki pages for the MikroTik SFP module compatibility table:

https://wiki.mikrotik.com/wiki/MikroTik_SFP_module_compatibility_table.

Mounting

The device is designed to use indoors and it can be mounted in a rackmount enclosure using provided rack mounts, or it can be placed on the desktop. Use a Phillips screwdriver to attach rackmount ears on both sides of the device if designated use is for rackmount enclosure:

- Attach rack ears to both sides of the device and tighten four screws to secure them in place, as shown in the picture.



- Place the device in a rackmount enclosure and align it with the holes so that the device fits conveniently.
- Tighten screws to secure it in place.
- The IP rating scale for this device is IPX0. The device has no protection from water contamination, please ensure the placement of the device in a dry and ventilated environment.
- Mounting and configuration of this device should be done by a qualified person. We recommend using Cat6 cables for our devices.

Reset button

Hold this button during boot time until the LED light starts to flash. Release the button to reset the SwOS configuration and load backup software for reinstallation and upgrade.

Operating system support

This device runs SwOS, which is the only supported OS for this device. Information about SwOS:

To avoid pollution of the environment, please separate the device from household waste and dispose of it in a safe manner, such as in designated waste disposal sites. Familiarize yourself with the procedures for the proper transportation of the equipment to the designated disposal sites in your area.

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 the receiver.
- Connect the equipment to 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.

Note:

This unit was tested with shielded cables on the peripheral devices. Shielded cables must be used with the unit to ensure compliance.

Industry Canada

This device complies with Industry Canada's licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Declaration of Conformity







CE Declaration of Conformity

- **Manufacturer:** Mikrotiks SIA, Brivibas gatve 214i Riga, Latvia, LV1039.
- The full text of the EU Declaration of Conformity is available at the following internet address:
<https://mikrotik.com/products>.
- 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.

Documents / Resources

	<p>MikroTik CSS326-24G-2S+RM Gigabit Ethernet [pdf] User Guide CSS326-24G-2S RM Gigabit Ethernet, CSS326-24G-2S RM, Gigabit Ethernet, Ethernet</p>
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References

-  [MikroTik Routers and Wireless - Buy](#)
-  [MikroTik Routers and Wireless - Buy](#)
-  [MikroTik Routers and Wireless - Products](#)
-  [MikroTik SFP module compatibility table - MikroTik Wiki](#)
-  [SwOS/CSS326 - MikroTik Wiki](#)
-  [SwOS/CSS326 - MikroTik Wiki](#)
- [User Manual](#)