

# Configuration by the Web Page

## Serial Port Server (C20 - C25)

This page presents capabilities of the Ethernet Converters configuration. First, make sure that converter is connected to power supply and to the LAN using a patch cord. If the device has no static IP set up, it will be necessary to obtain its IP address in the local network. User interface is mostly similar for all converters, but some subpages might be different for several models depending on amount of interfaces. In order to avoid issues, click on a “Help” button in the top right corner on every page.

## Default configuration

Default configuration of the Ethernet Converters:

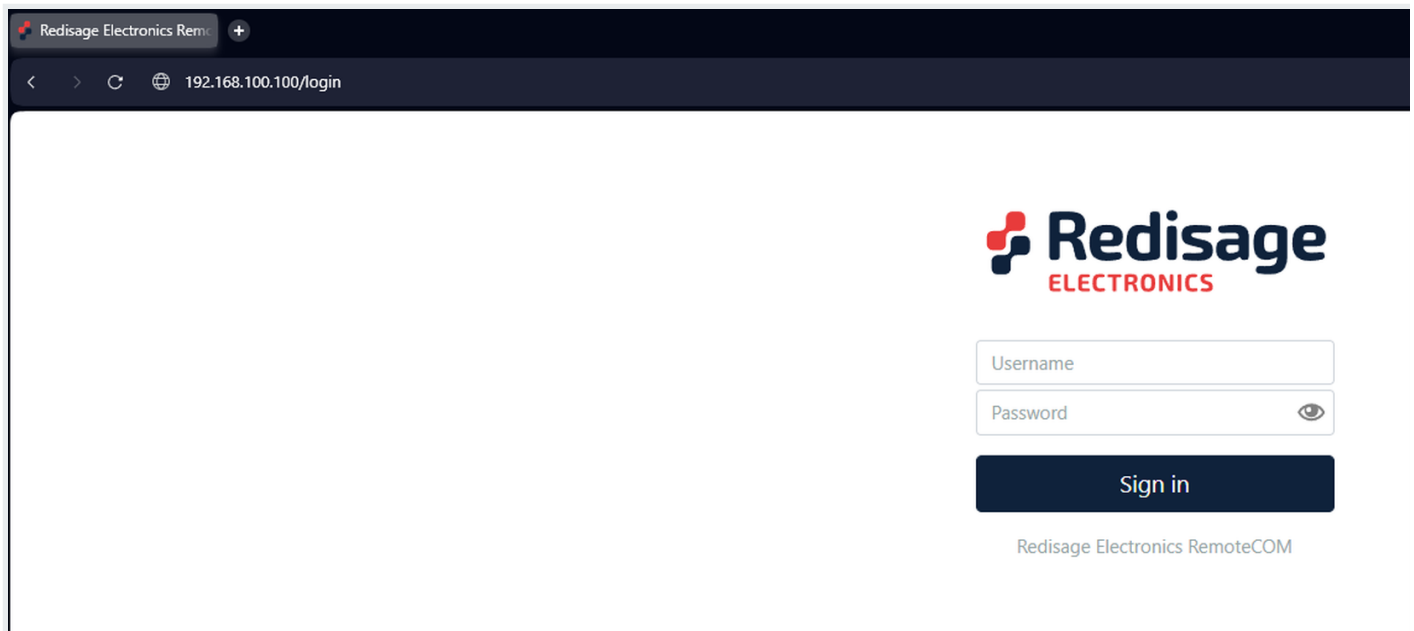
- IP address: **192.168.100.100**
- Subnet mask: **255.255.255.0**
- Gateway: **192.168.100.1**
- DNS 1: **192.168.100.1**
- DNS 2: **8.8.8.8**

Default login details:

- Username: **admin**
- Password: **admin123**

## Login

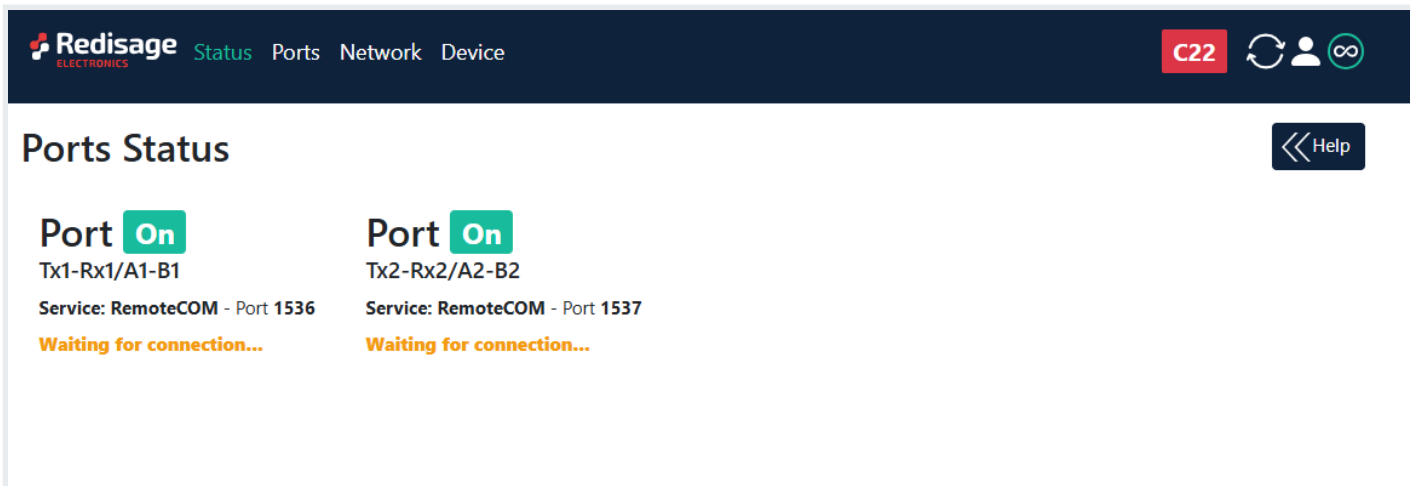
To access the web page open the browser, type device’s IP address of the converter (default is **192.168.100.100**). Then log in using user’s personal credentials. If it is a first configuration or the converter had a factory reset, use default login details (login: **admin**, password: **admin123**).



The configuration is available only if devices are connected to the same Local Area Network as the computer used for it.

## Status page

After a successful login, there should be an insight to important information such as: port status, service and ports which are in use and other details about the connection.




## Changing username or password


After clicking "Edit User" under the user icon, it is possible to change the username or the password.



### Change User Credentials ×

Username

Password  

Password Again  

If login details were forgotten, it would be necessary to do a factory reset via a USB/UART converter and a serial console.

## Ports page

This page allows configuring the device's ports. There is a toggle switch next to the "Port" label by which it is possible to turn ON/OFF any particular ports.

# Ports Configuration

Help

Port

Tx1-Rx1/A1-B1

Service

RemoteCOM

Port

1536

Connection Timeout [s]

0

Inactivity Time [ms]

0

Encryption

Disabled

Password

When encryption enabled type password here.

Termination

Disabled

Baud Rate

115200

Data Bits

8

Parity

None

Stop Bits

1

Notes

Port

Tx2-Rx2/A2-B2

Service

TCP Socket

Port

1537

Connection Timeout [s]

0

Inactivity Time [ms]

0

Encryption

Disabled

Password

When encryption enabled type password here.

Termination

Disabled

Baud Rate

115200

Data Bits

8

Parity

None

Stop Bits

1

Notes

Save and Apply

Item	Description
Service	RemoteCOM The RemoteCOM option lets to attach the port to a computer running the <u>Redisage Configurator</u> as if it would be physically present in the computer.

Item		Description
TCP Socket	TCP/UDP Socket exposes this port as a regular network socket - connect to this socket with own software and write/read data to send/receive data over the serial port without any additional software or serial port handling.	
UDP Socket		
Port		The service number - the device has an "IP Address" by which it is identified and a couple of services running on it. It's required to tell the device which service should be in use by entering this device's IP address and the port number in the RemoteCOM client or user's software.
Connection Timeout [s]		The time specifying how often (every how many seconds) the "keep alive" packet will be sent to check if the client is still connected. Value 0 means that the connection is kept permanently without any timeout.
Inactivity Time [ms]		The maximum allowed time in milliseconds during which there is no data transfer. When connection is inactive for the time longer or equal to the entered value, then it will be closed. Value 0 means there is no measure of the inactivity time at all.
Encryption		Determine how the data is protected 'in flight' over a network. It is available only with the RemoteCOM service. Once enabled, it is necessary to set the password.
Password		Protect the communication between the device and various clients - keep it secret! Same settings have to appear in clients - without the correct passwords, a client will not be able to connect at all.
Termination		Enable/disable termination on the RS line.
Baud Rate		Determine the port's transmission speed over the data channel.
Data Bits		Determine the number of data bits in the port's message frame.
Parity		Enable/disable parity check in the port's message frame.

Item	Description
Stop Bits	Determine the number of stop bits in the port's message frame.
Notes	These notes are for information only - feel free to write down anything related to this port (device it connects to, etc.). They're also shown in the Configurator during the device discovery - in the other words, they're public.

Changing port's service closes all sockets connected to the ports.

In the UDP mode, port number 15051 is reserved for UDP broadcast service.

## Network page

In this section, network settings can be changed according to target LAN parameters.

## Network



Hostname

DNS Address 1 (Primary)

DNS Address 2

Save and Apply

## Ethernet

Configuration Method

The network configuration below is ignored if DHCP is chosen

IP Address

Netmask

Gateway

MAC Settings

MAC Address below is ignored if Default MAC Address is chosen.

MAC Address

Save and Apply

## Services

HTTP Port

Telnet Port

Broadcasts

Save and Apply

Item	Description
Hostname	Label that is assigned to the device.
DNS Address 1 (Primary)	Primary Domain Name System used by the device.
DNS Address 2	Domain Name System used by the device.
Configuration Method	Enable/disable the DHCP server. If the DHCP server is disabled, the IP address of the device has to be set manually.

Item	Description
IP Address	IP address of the device.
Netmask	Netmask associated with the IP address.
Gateway	Gateway address currently used by the device.
MAC Settings	Allow setting the default MAC address or typing it manually.
MAC Address	Allow changing the physical address of the device.
HTTP Port	Determine the port of the control panel.
Telnet Port	Allow connection with the device via Telnet.
Broadcasts	Notify RemoteCOM clients in the same network about this device's existence. With this enabled, the Configurator will automatically set most of the settings correctly after picking the correct port.

It is possible to obtain a dynamic IP address. Just switch configuration method from static IP to DHCP (automatic). This process may cause some issues with identifying converters in LAN unless there is an access to the device which is responsible for allocating IP addresses.

Keep in mind that in case of changed IP address user needs to type a new IP in the address bar and log in again.

## Device page

On the device page there are tools used to a firmware update, a factory reset and a device reboot.

## Tools

[Help](#)[Firmware Upgrade](#)[Factory Reset](#)[Reboot](#)

## About

Firmware: 1.2.0

Model: C22

Serial Number: 000000000001837

Frontend: 1.13.0

Item	Description
Firmware Update	Update firmware.
Factory Reset	Restore default ports settings and default network configuration.
Reboot	Reboot the device.

## Firmware update

The device firmware update must not be interrupted. Update the device only if experiencing issues, being instructed to do so by our support or requiring the latest features/bugfixes. Failure during the update may 'brick' the device and make it unusable.

## Firmware Update

**WARNING: Device firmware update must not be interrupted.** Update your device only if you experience issues, were instructed to do so by our support or require the latest features/bugfixes. Failure during the update may 'brick' the device and make it unusable.

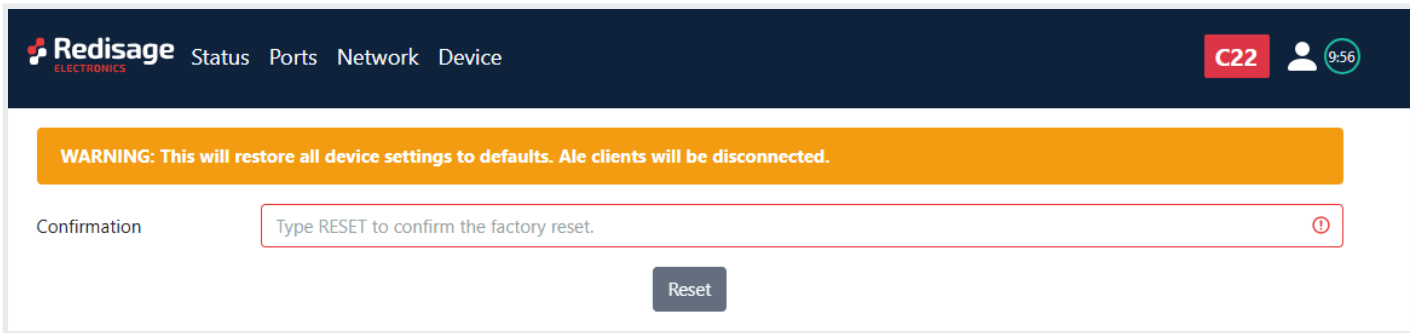
[Browse](#)[Update](#)

Select the firmware update package downloaded from our site. Installing unofficial firmware is not supported.

Use the **remote-com-esp32.fir** file for a firmware update.

## Factory reset

To restore default settings, press the “Factory Reset” button. After that, user will be asked to type “RESET”. Then it will take a few seconds to reload the web page and restart the device. After the reset use default login details (login: **admin**, password: **admin123**; default IP: **192.168.100.100**).



The screenshot shows a web interface for Redisage Electronics. The top navigation bar includes the logo, menu items (Status, Ports, Network, Device), a device ID (C22), a user icon, and a clock (9:56). A prominent orange warning banner states: "WARNING: This will restore all device settings to defaults. All clients will be disconnected." Below this, a "Confirmation" section contains a text input field with the placeholder text "Type RESET to confirm the factory reset." and a "Reset" button.

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