

# Configuration by the Web Page

## Serial Port Server w/ Wi-Fi® (C30 - C32)

This page presents capabilities of the Ethernet Converters configuration. First of all, make sure that converter is connected to power supply and to the LAN using a patch cord. If the device has not static IP set up, it will be necessary to obtain its IP address in the local network. User interface is mostly similar for every converters but some subpages might be different for several models depends on amount of interfaces. In order to avoid some issues, click on a “Help” button in the top right corner on every page.

## Default configuration

Default configuration of the Ethernet Converters:

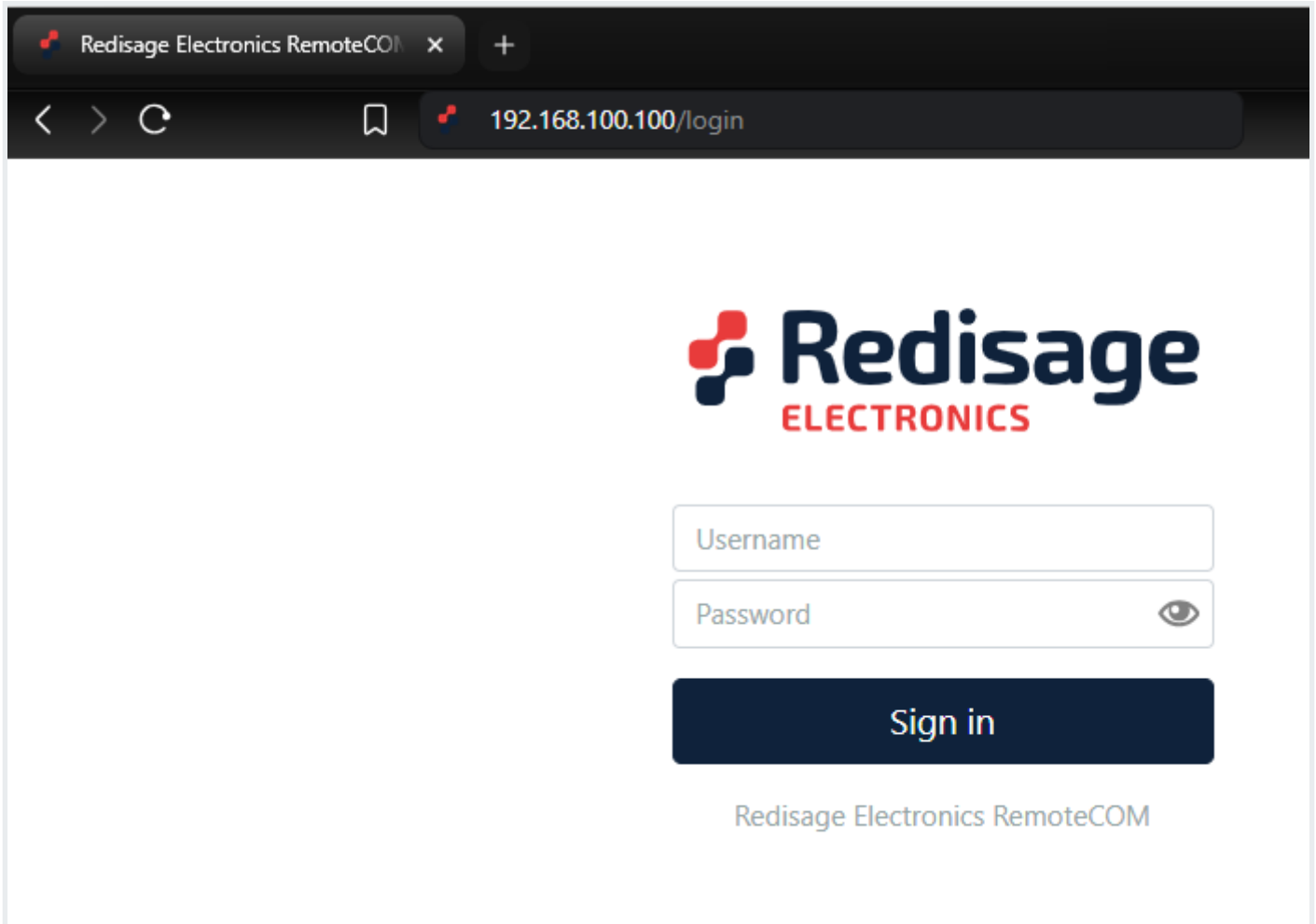
- IP address: **192.168.100.100**
- Subnet mask: **255.255.255.0**
- Gateway: **192.168.100.1**
- DNS 1: **192.168.100.1**
- DNS 2: **8.8.8.8**

Default login details:

- User name: **admin**
- Password: **admin123**

# Login

To access the web page open the browser, type 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, then use default login details (login: **admin**, password: **admin123**).






The screenshot shows a web browser window with the address bar containing '192.168.100.100/login'. The page content includes the Redisage Electronics logo, a 'Username' input field, a 'Password' input field with a toggle icon, and a 'Sign in' button. The footer text reads 'Redisage Electronics RemoteCOM'.

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 port which are in use and more details about the connection.



Redisage ELECTRONICS Status Ports Network Device C32   

## Ports Status << Help

|  |  |
|--|--|
| <b>Port <span style="background-color: #28a745; color: white; padding: 2px;">On</span></b><br>Tx1-Rx1/A1-B1<br>Service: RemoteCOM - Port 1536<br>Waiting for connection... | <b>Port <span style="background-color: #28a745; color: white; padding: 2px;">On</span></b><br>Tx2-Rx2/A2-B2<br>Service: RemoteCOM - Port 1537<br>Waiting for connection... |
|--|--|



# Changing username or password

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

Redisage ELECTRONICS Status Ports Network Device Edit User  
Sign Out  

## Ports Status << Help

### Change User Credentials ✕

|                |  |
|----------------|--|
| Username       | <input type="text" value="New username - Leave empty to keep the"/>  |
| Password       | <input type="password" value="New password - Leave empty to keep"/>  |
| Password Again | <input type="password" value="Repeat password written above."/>      |

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 a "Port" label by which it is possible to turn ON/OFF any particular ports.

Redisage ELECTRONICS
Status
Ports
Network
Device
C32
9:24

## Ports Configuration Help

Port
ON

**Tx1-Rx1/A1-B1**

Service

TCP Socket

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
ON

**Tx2-Rx2/A2-B2**

Service

RemoteCOM

Port

1537

Connection Timeout [s]

0

Inactivity Time [ms]

0

Encryption

Disabled

Password

When encryption enabled type password here.
👁

Termination

Disabled

Baud Rate

Data Bits

Parity

Stop Bits

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|         | 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.

Redisage ELECTRONICS
Status Ports **Network** Device
C32
9:44

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### Network

Help

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

## Wi-Fi


Wi-Fi Status

✓ Connected to: NSG  [Disconnect](#)

Wi-Fi

[Scan](#)

Configuration Method

DHCP (Automatic) 

The network configuration below is ignored if DHCP is chosen

IP Address

192.168.0.156


Netmask

255.255.255.0

Gateway

192.168.0.1

MAC Settings

Default MAC Address 

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

MAC Address

b4:e6:2d:fb:b7:e1

[Save and Apply](#)

| Item                 | Description  |
|----------------------|--|
| Configuration Method | Enable/disable the DHCP server. If the DHCP server is disabled, the IP address of the device has to be set manually. |
| 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.   |

## Services

HTTP Port

80

Telnet Port

23

Broadcasts

Broadcast ports on this device 

[Save and Apply](#)

| Item        | Description                                  |
|-------------|--|
| HTTP Port   | Determine the port of the control panel.     |
| Telnet Port | Allow connection with the device via Telnet. |

| Item                    | Description   |
|-------------------------|---|
| 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. |
| 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.  |

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 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.

| Item            | Description   |
|-----------------|---|
| Firmware Update | Update firmware.  |
| Factory Reset   | Restore default ports settings and default network configuration. |

| Item   | Description        |
|--------|--------------------|
| 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.

 Status Ports Network Device C32  9:36

### 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.



Choose a file... 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.

 Status Ports Network Device C32  9:57

**WARNING: This will restore all device settings to defaults. All clients will be disconnected.**

Confirmation  

Reset

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