

# Inova-bg Ltd

Ip1UART

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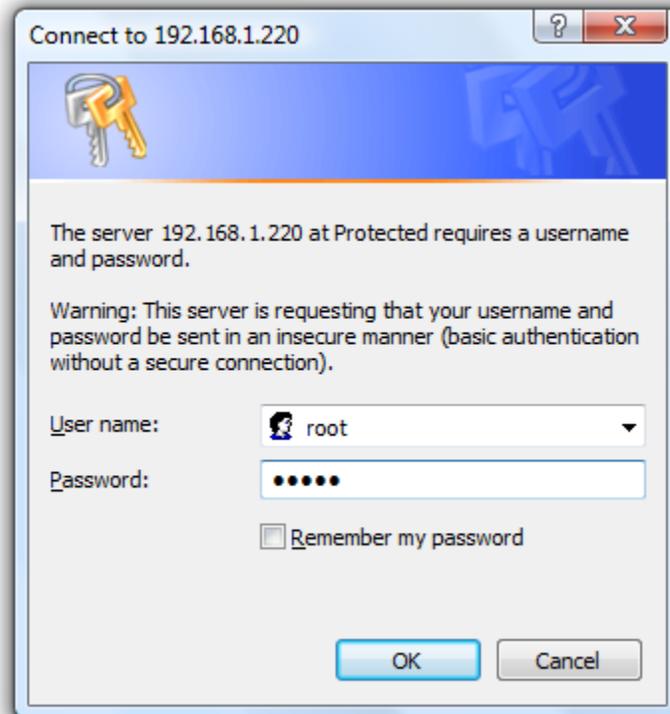
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## 1. Main features

Ip1UART is a communication device with the main purpose to transmit data on RS232 channel, using IP network as a transmission channel. The device has HTML server for easy configuration and status check, protected with a username and a password.

## 2. Start working with Ip1UART

The default IP address is 192.168.1.220. To access the web server for configuration use Internet Explorer ( Chrome, Firefox, Opera or any other web browser ) and enter the Ip1UART's address - **http://192.168.1.220/** ( or the new one if you already change it ). If the device is accessible from that computer a connection will be established and you will be prompt to enter username and password:



The default settings (which will be recovered after hardware reset ) are:

IP Address:	192.168.1.220
Username:	root
Password:	admin

If you enter the right credentials you will have access to the web page for configuration.

### 3. Homepage

**Inova Co.**

Ip4UART

Home  
Device Config  
Login Config  
About  
Reboot

Welcome to Ip4UART's home page!

**Device Information**

Device Name:	IP4UART
Device IP:	192.168.1.220
Device MAC:	00:04:A3:00:02:00
Device Subnet Mask:	255.255.255.0
Device Gateway:	192.168.1.1
RS232 Baudrate:	4800

**Destination Device Information**

Destination IP:	192.168.1.49
TCP Port:	2508

**Connection Status**

Sending data:	Not Connected
Receiving data:	Not Connected

To configure this device use the left menu. In "**Device Config**" you can change network settings - IP or Gateway address , Subnet mask, IP address of the destination device with which to establish connection. In "**Login Config**" there is an option to change the Username and Password for restrict access to this configuration page. Use "**Reboot**" to restart the device.

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On the homepage you can find main information about the device and the current status of the IP connection. If the connection is established the **Sending data** and **Receiving data** fields must be with **Connected** status.

## 4. Configuration of the main parameters

The screenshot shows the Inova Co. Ip4UART Configuration web interface. The page title is "Ip4UART Configuration". A navigation menu on the left includes "Home", "Device Config", "Login Config", "About", and "Reboot". The main content area contains a "CAUTION" message: "Incorrect settings may cause the device to lose network connectivity." Another "CAUTION" message states: "Enter desired configuration and click **Save Config**. This will cause the device to reboot with the new settings." Below these messages, the text "Enter the new settings below:" is followed by a form with the following fields: "IP Address" (192.168.1.220), "Gateway" (192.168.1.1), "Subnet Mask" (255.255.255.0), "Destination IP" (192.168.1.49), and "Baudrate" (No Change). A "Save Config" button is located at the bottom of the form. The footer of the page reads "Copyright © 2008 Inova, Co."

To configure the main parameters of IP1UART use **Device Config** menu. From this menu **IP address**, **Gateway** and **Subnet Mask** can be changed. In the field **Destination IP**, should be entered the IP address of the device with which connection will be established. If those two devices are not connected direct ( there is a router between them ), the router should be reconfigured to use **port forwarding** from input TCP port **2508** to output TCP port 2508 and the IP address of the IP1UART module which is in the subnet of this router.

## 5. Username and password configuration

**Inova Co.**

Ip4UART

**Home**

**Device Config**

**Login Config**

**About**

**Reboot**

### Login Configuration

This page allows to configure Login Username and Password.

**CAUTION:** You will need this information to access this page. Use the "Hard Reset" button if you can't remember your Login information. After Reset default Username and Password will be recovered.  
Default Username: **root** Password: **admin**

**CAUTION:** Enter desired configuration and click **Save Config**. This will cause the device to reboot with the new settings.

Enter the new Login settings below (**maximum 11 symbols**):

**User Name:**

**Password:**

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In Login Config menu you can change the username and password used to access the web-server. Maximum length for both fields is 11 symbols. If you forget your credentials you can perform a hardware reset to recover default settings:

**Username: root      Password: admin**

When you click the **Save Config** button a validation check is performed. If there is invalid data in one or more fields – they will be colored in red. If all the input data are correct IP1UART will save the parameters and will reboot with the new configuration.

## 6. Reboot

If you choose the Reboot menu this will cause the device to restart.

## 7. Hardware reset



In case you changed the settings and can't reach the device or if you forgot your username or password, IP1UART is capable to return to its factory defaults. For this purpose you must disconnect from power supply, put the jumper to reset position ( as in the picture above ) and reconnect to the power supply. After the reset is done ( it takes less than 1 second ) the green and the yellow LED of the network connector should be lit constantly. Remove the jumper and IP1UART will reboot with its factory defaults.