

# Replace X-gateway with Communicator Quick Guide

## About this Quick Guide

This Quick Guide describes how to transit the configuration from an X-gateway to a new generation Communicator.

For in-depth information about how to install and configure the Communicator, see the product user manual.

See [Support and Resources \(page 1\)](#).

## Support and Resources

For additional documentation and software downloads, FAQs, troubleshooting guides and technical support, please visit [www.anybus.com/support](http://www.anybus.com/support).



### TIP

Have the product article number available, to search for the product specific support web page. You find the product article number on the product cover.

## HMS Software Applications

Download the software installation files and user documentation from [www.anybus.com/support](http://www.anybus.com/support).

### Anybus Configuration Manager - X-gateway

Use the software application Anybus Configuration Manager - X-gateway to configure the classic Anybus Communicator and the Anybus X-gateway.

### HMS IPconfig

Use the software application HMS IPconfig and scan your network to discover and change the Communicator IP address and to access the Communicator built-in web interface.



### NOTE

As an alternative, you can set a static IP address within the same IP address range as the Communicator IP address on the computer accessing the Communicator built-in web interface.



### NOTE

HMS IPconfig is only available for Windows.

# Communicator Built-In Web Interface Overview

Use the Communicator built-in web interface to configure, maintain and troubleshoot the Communicator.

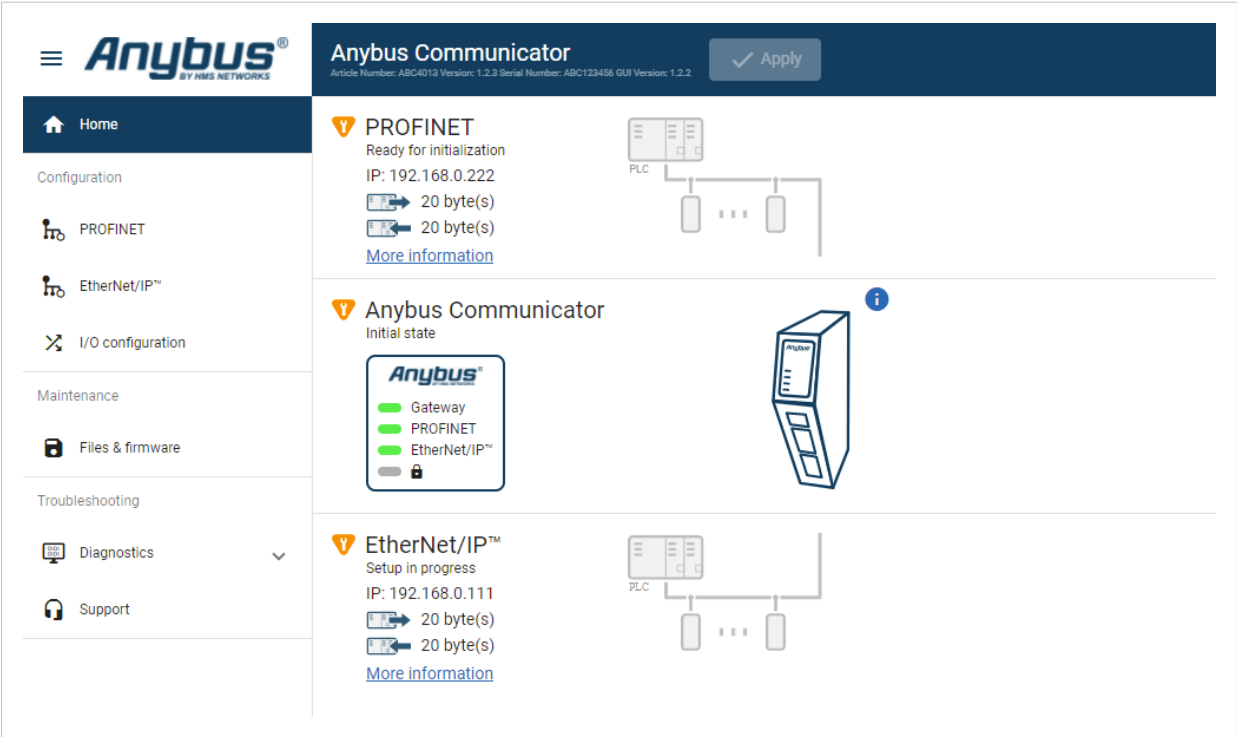


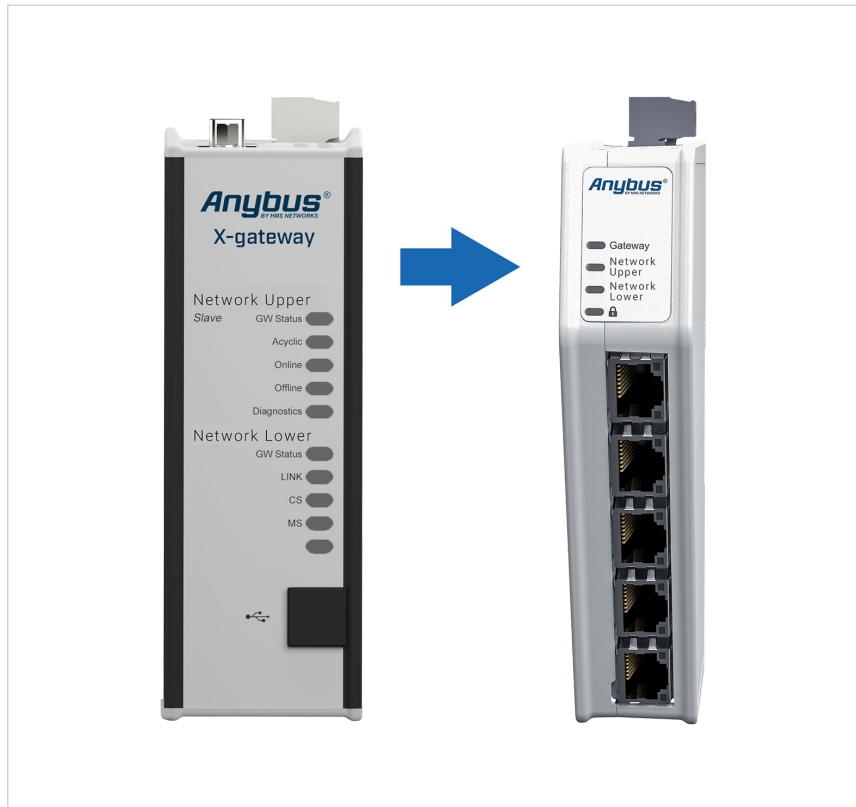
Figure 1. The Communicator built-in web interface Home page example

Menu item	Description
Home	View the Communicator, network, and node status.
Apply	After configuration changes are made and verified, press Apply to make the settings take effect.
Configuration, upper network page	Configure network settings.
Configuration, lower network page	Configure network settings.
I/O configuration	Configure input and output data sizes and endian conversion.
Files & firmware	Save settings in a configuration files, upload configuration files and upgrade firmware.
Diagnostics	Monitor and troubleshoot the Communicator.
Support	Contains Communicator product information, Anybus contact information, link to Anybus support website, and product file for download.  Here you can generate a support package with product information, to send to your Anybus support technician.

For in-depth information about how to install and configure the Communicator, see the product user manual.

See [Support and Resources \(page 1\)](#).

## Transit the X-gateway Configuration



### Before You Begin

The X-gateway is configured via the software application Anybus Configuration Manager X-gateway.

The Communicator is configured via a built-in web interface.

To transit from an X-gateway to a Communicator, you need to:

1. Overview the existing configuration settings in the Anybus Configuration Manager X-gateway.
2. Redo the configuration in the Communicator built-in web interface.

## Find the Communicator on Your PC

The Communicator default IP address is 192.168.0.10.

To be able to access the Communicator built-in web interface you may need to adjust the IP settings, choose one of the following methods:

### Option 1 | Set a static IP address on the PC



On the PC accessing the Communicator built-in web interface, set a static IP address within the same IP address range as the Communicator IP address.

To access the Communicator built-in web interface, ensure that port Port 80 TCP is open in your PC Windows Firewall.

Note that when you change to a static IP address on your PC, internet access is lost.

### Option 2 | Change the IP address on the Communicator configuration port



Use the software application HMS IPconfig to find and change the IP address on the Communicator configuration port, to one within the same IP address range as the PC accessing the Communicator built-in web interface.

To download the installation files, please visit [www.anybus.com/support](http://www.anybus.com/support) and enter the product article number to search for the Communicator support web page. You find the product article number on the product cover.

## Access the Communicator Built-In Web Interface

1. Connect the Communicator to your PC and to power.

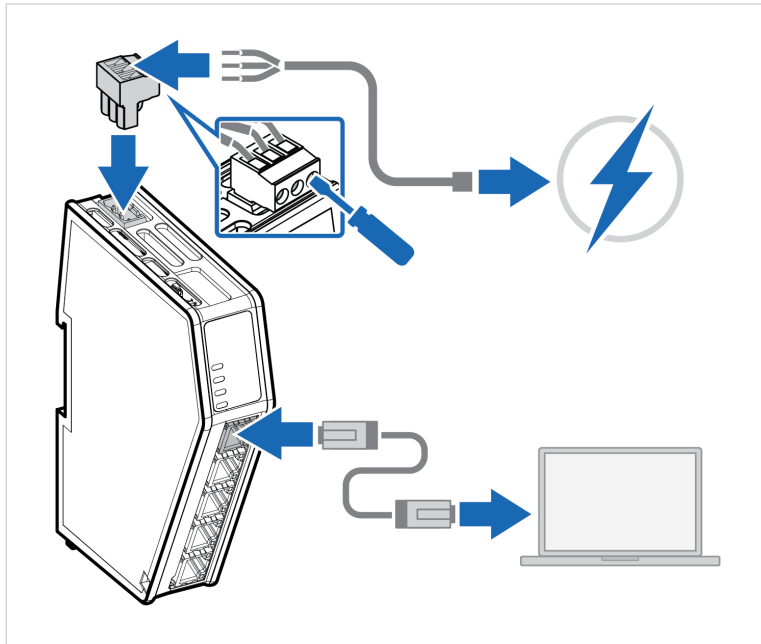


Figure 2. Communicator configuration port and power connector

2. Open a web browser and enter the Communicator IP address in the **Address bar**.  
The Communicator default IP address is 192.168.0.10.  
The Communicator built-in web interface **Home** page appears.

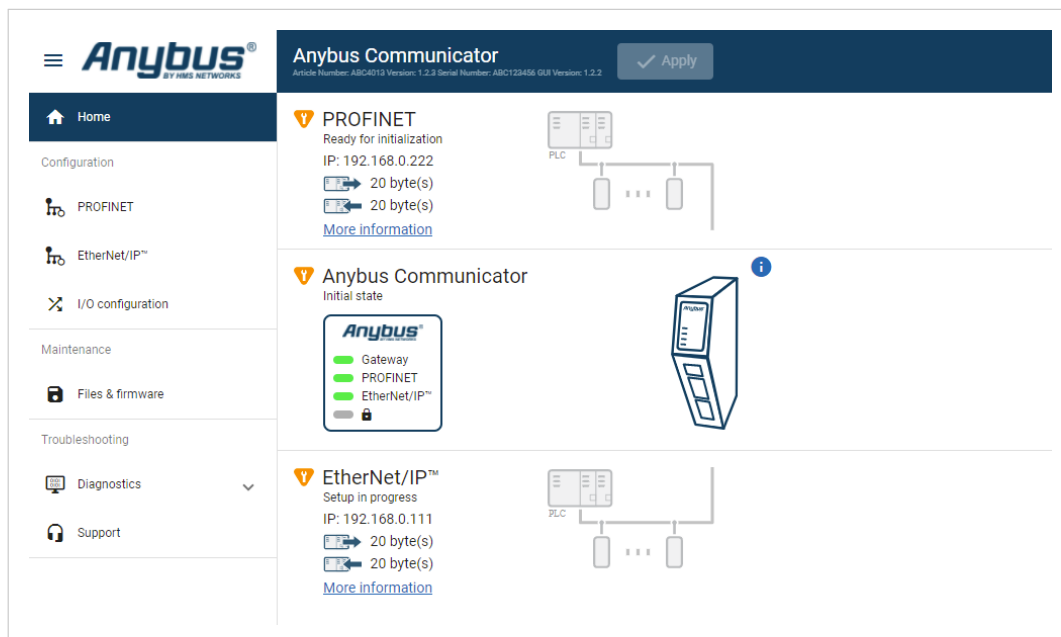


Figure 3. Communicator built-in web interface, Home page example

## Access the X-gateway Configuration in the Configuration Manager

1. Connect the X-gateway configuration port to your PC and to power.
2. Start the Anybus Configuration Manager - X-gateway.
3. In the main menu, click **Connect**.  
The configuration manager searches for the X-gateway.
4. Upload the existing X-gateway configuration or open a saved configuration.
5. In the **Project** menu, select the upper network interface.  
View the configuration settings to be used in the new Communicator.

Example 1. In this example we use an PROFINET IO - EtherNet/IP X-gateway.

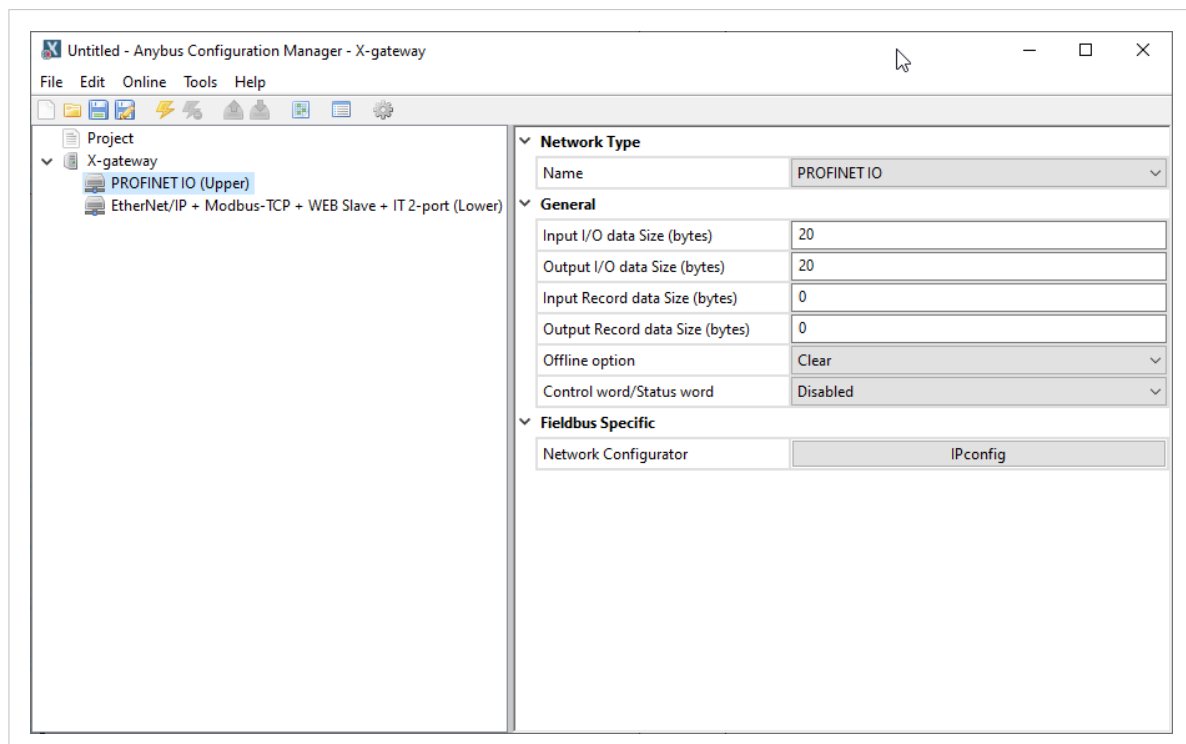


Figure 4. X-gateway Project with the PROFINET IO (Upper) network selected

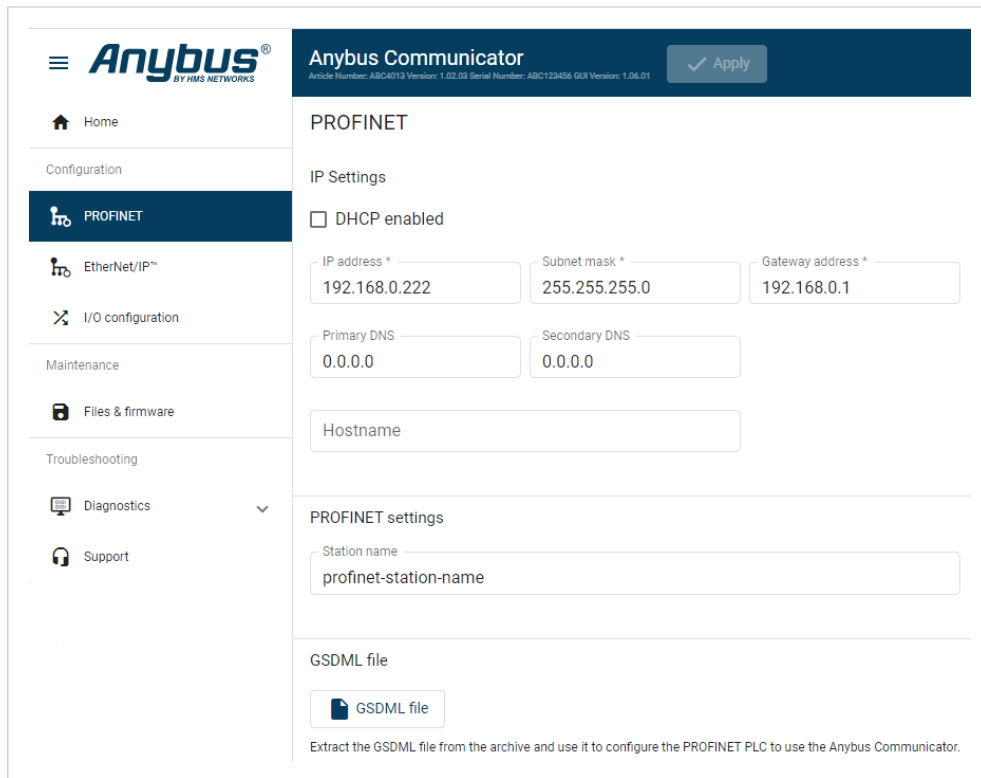
## Upper Network Page Settings



### NOTE

The IP settings vary depending on the network protocol type.

Example 2. Communicator built-in web interface, Configuration menu with the upper network page selected



The screenshot shows the Anybus Communicator web interface. The left sidebar contains a navigation menu with options: Home, Configuration, PROFINET (selected), EtherNet/IP™, I/O configuration, Maintenance, Files & firmware, Troubleshooting, Diagnostics, and Support. The main content area is titled 'Anybus Communicator' and shows the 'PROFINET' configuration page. The 'IP Settings' section includes a 'DHCP enabled' checkbox (unchecked) and three input fields for 'IP address \*' (192.168.0.222), 'Subnet mask \*' (255.255.255.0), and 'Gateway address \*' (192.168.0.1). Below these are 'Primary DNS' (0.0.0.0) and 'Secondary DNS' (0.0.0.0) fields, and a 'Hostname' field. The 'PROFINET settings' section has a 'Station name' field with the value 'profinet-station-name'. At the bottom, there is a 'GSDML file' section with a 'GSDML file' button and a note: 'Extract the GSDML file from the archive and use it to configure the PROFINET PLC to use the Anybus Communicator.'

Figure 5. Configuration, PROFINET page example

In the Communicator built-in web interface:

1. Navigate to the **Configuration** menu and select the upper network page.



### NOTE

For some X-gateway variants, the upper network corresponds to the lower network for the Communicator.

2. Configure the IP Settings according to the settings in the Anybus Configuration Manager - X-gateway configuration.
3. Option for PROFINET: In **PROFINET settings**, enter the **PROFINET Station Name**.
4. Download the configuration file to your computer for use in your PLC programming tool. Depending on the network protocol, one of the following file formats is available for download: GSDML, GSD, EDS, or ESI.

## Lower Network Page Settings

Continue to configure the second network.

1. In the Anybus Configuration Manager - X-gateway **Project** menu:  
Select the lower network interface.  
View the configuration settings to be used in the new Communicator.

Example 3. In this example we use an PROFINET IO - EtherNet/IP X-gateway

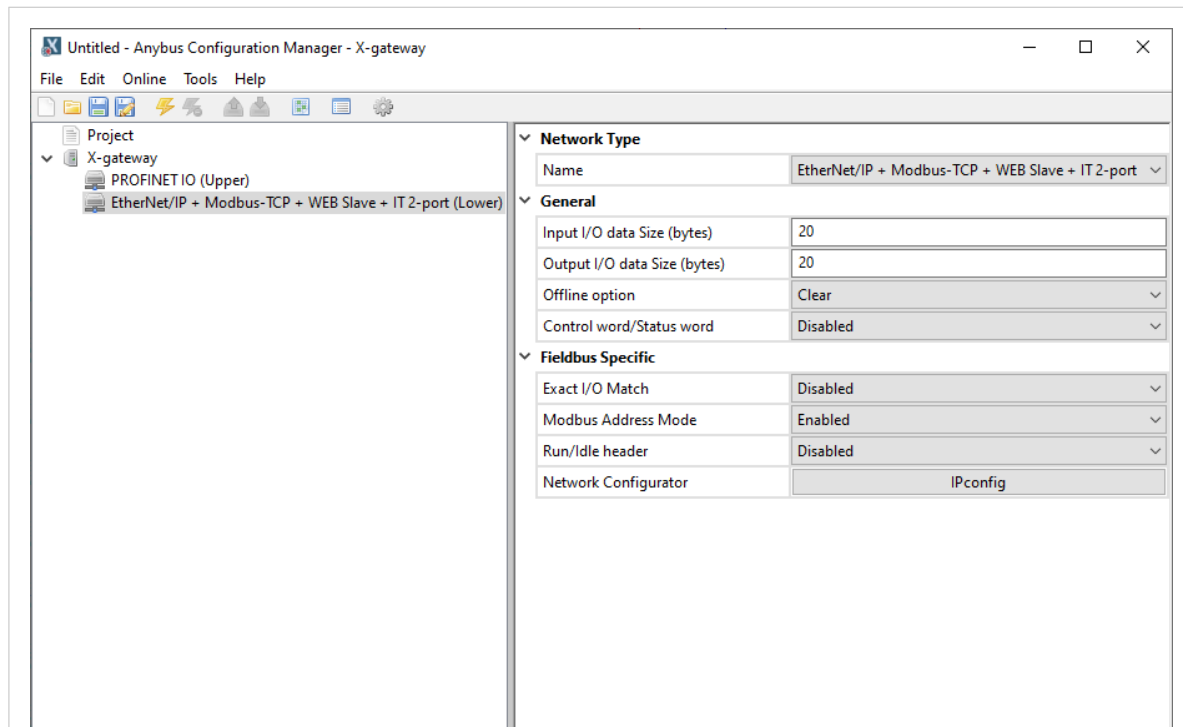


Figure 6. X-gateway Project with the EtherNet/IP + Modbus-TCP + WEB Slave + IT 2-port (Lower) network selected



2. In the Communicator built-in web interface:  
Navigate to the **Configuration** menu and select the lower network page.



**NOTE**

For some X-gateway variants, the lower network corresponds to the upper network for the Communicator.

Example 4. Communicator built-in web interface, Configuration menu with the lower network page selected

The screenshot displays the 'Anybus Communicator' web interface. The left sidebar contains a navigation menu with options: Home, Configuration, PROFINET, EtherNet/IP™ (selected), I/O configuration, Maintenance, Files & firmware, Troubleshooting, Diagnostics, and Support. The main content area is titled 'EtherNet/IP™' and includes an 'Apply' button. It is divided into three sections: 'IP Settings' with fields for IP address (192.168.0.111), Subnet mask (255.255.255.0), Gateway address (192.168.0.1), Primary DNS (0.0.0.0), and Secondary DNS (0.0.0.0); 'Connection settings' with radio buttons for 'Accept all connections' and 'Accept only matching I/O size' (selected); and 'EDS file' with a file upload button and a note: 'Use the EDS file to configure the EtherNet/IP™ PLC to use the Anybus Communicator.'

Figure 7. Configuration, EtherNet/IP page

3. Configure the **IP settings** and **Connection settings** according to the settings in the Anybus Configuration Manager - X-gateway configuration.
4. Download the configuration file to your computer for use in your PLC programming tool.  
Depending on the network protocol, one of the following file formats is available for download: GSDML, GSD, EDS, or ESI.

## I/O Configuration

Continue with the I/O configuration.

In this example we use an PROFINET to EtherNet/IP .

The screenshot shows the 'Anybus Communicator' web interface. The left sidebar contains navigation links: Home, Configuration (with sub-links for PROFINET, EtherNet/IP™, and I/O configuration), Maintenance (with sub-link for Files & firmware), and Troubleshooting (with sub-links for Diagnostics and Support). The main content area is titled 'I/O configuration'. At the top, it shows a diagram of a gateway connecting two networks. Below this, there are two rows of configuration fields. The first row is for PROFINET to EtherNet/IP™, with 'Size \*' set to '20 bytes' and 'Endian swap' set to 'No swapping'. The second row is for EtherNet/IP™ to PROFINET, also with 'Size \*' set to '20 bytes' and 'Endian swap' set to 'No swapping'. A checkbox labeled 'Same I/O sizes for both networks.' is checked. At the bottom, a dashed box contains the text: 'Detailed endian swapping. To be able to use the detailed swapping please select the "Detailed swap" option in the desired "Endian swap" select above.'

Figure 8. I/O configuration page

1. On the **I/O configuration** page, enter the same I/O sizes, for the Upper and Lower network, as in the old X-gateway configuration.
2. If applicable, enable **Endian swapping** in either direction.  
Set a swapping type to use for the entire area or use **Detailed swap** to set different types of swapping for different parts of the I/O area.