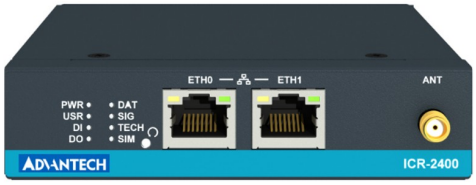
Manuals+ — User Manuals Simplified.



ADVANTECH v2 Router App User Guide

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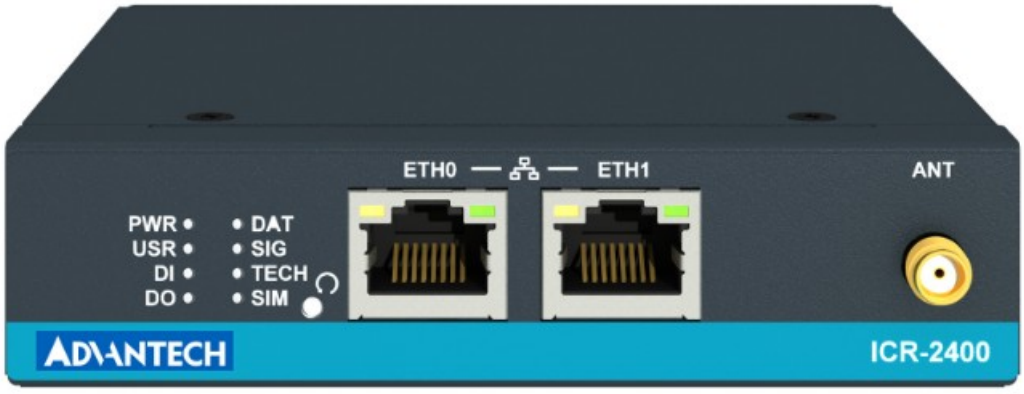
v2 Router App



Loopback

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Used symbols

Danger – Information regarding user safety or potential damage to the router.

Attention – Problems that can arise in specific situations.

Information – Useful tips or information of special interest.

Example – Example of function, command or script.

Changelog

1.1 Loopback Changelog

v1.0.0 (2017-07-21)
•First release.
v1.1.0 (2017-11-02)
•Added support of reverse route.
v1.2.0 (2020-10-01)
•Updated CSS and HTML code to match firmware 6.2.0+.

Router App Description

2.1 Description of the module

This router app is not installed on Advantech routers by default. See Configuration Manual for the description how to upload an router app to the router. For more information see[1],[2],[3],[4]or[5], chapter Customization –> Router Apps.

This router app is compatible with Advantech routers of v2 and v3 platforms only.

Loopback router app can be used to create a virtual network interface for managing and configuring the device. With this interface, it is possible to assign such a device an address that can be accessed from the control device via the network. However, this address is not specific to the physical interface of the device.

2.2 Web interface

Once the installation of the module is complete, the module's GUI can be invoked by clicking the module name on the Router apps page of router's web interface.

Left part of this GUI contains menu with Configuration menu section. Customization menu section contains only the Return item, which switches back from the module's web page to the router's web configuration pages. The main menu of module's GUI is shown on Figure1.

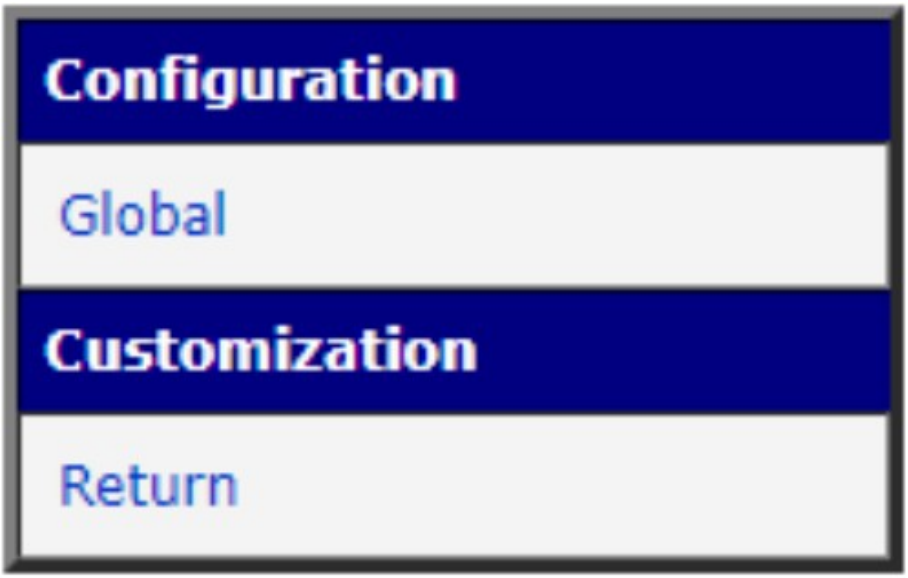

Figure 1: Main menu

2.3 Configuration

Configuration of this router app can be done on Global page, under Configuration menu section. Configuration form is shown on Figure2. It contains three main parts, for configuration of IP address, for configuration of permit address and for configuration of permit Mask. All configuration items for Global configuration page are described in table1.

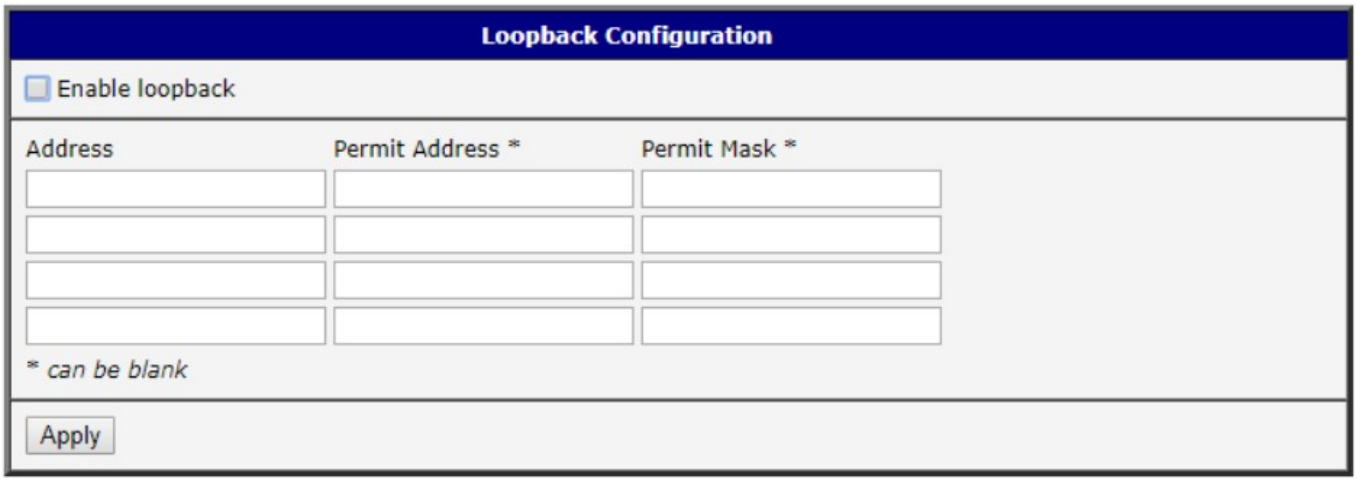

Figure 2: Configuration page

Item	Description
Enable loopback	If enabled, logging functionality of the module is turned on.
Address	You can assign this router 4 IP addresses to access from outside.
Permit Address	IP addresses of devices that are allowed to operate this device here. You can also enter a network address, but you must also enter Permit MASK.
Permit Mask	Enter the mask address here if you have entered a network address (not a device) in the Permit Address field. If you do not fill in the address and you have completed the network address in Permit Ad dress, you will not be able to connect to the device.
Apply	Button to save and apply all changes made in this configuration form.

Table 1: Configuration items description

2.4 Configuration Example

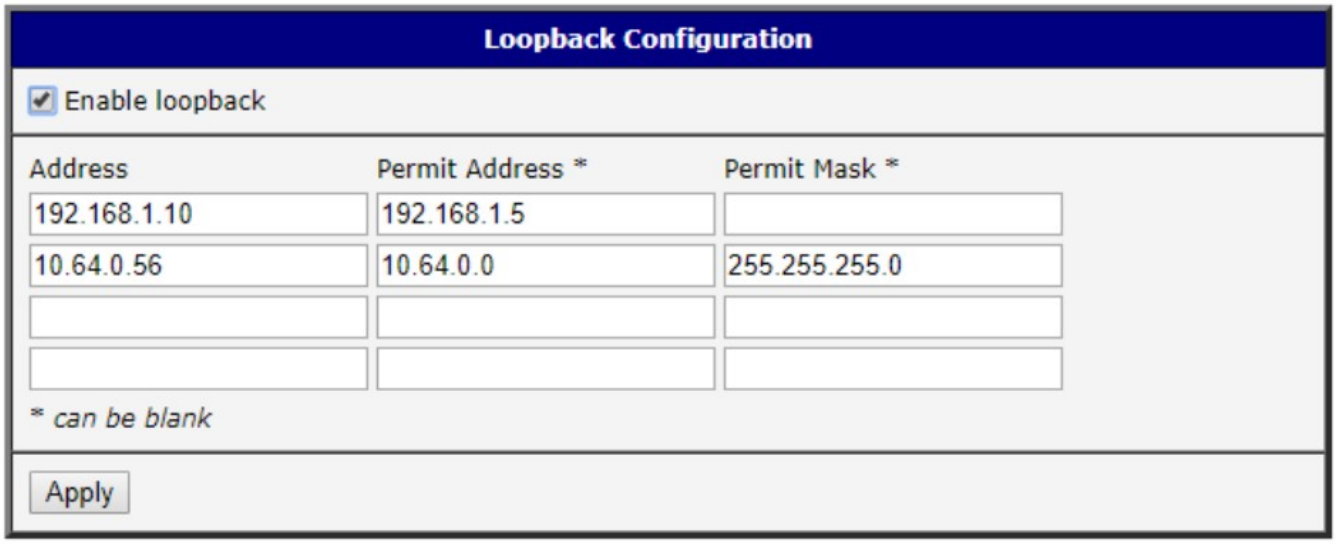

Figure 3: Configuration page

Item	Description
Enable loopback	Enabled, logging functionality of the module is turned on.
Address	It is also possible to connect to this device via these IP addresses: 192.168.1.10, 10.64.0.56.
Permit Address	Only the device with the IP address 192.168.1.5 can be connected to the assigned IP address 192.168.1.10. All devices from the 10.64.0.0/24 network can access devices with an IP address of 10.64.30.56.
Permit Mask	Enter the mask address here if you have entered a network address (not a device) in the Permit Address field. If you do not fill in the address and you have completed the network address in Permit Address, you will not be able to connect to the device.

Table 2:Configuration example items description

Related Documents

[1] Advantech Czech: v2 Routers – Configuration Manual
[2] Advantech Czech: SmartFlex – Configuration Manual
[3] Advantech Czech: SmartMotion – Configuration Manual
[4] Advantech Czech: SmartStart – Configuration Manual
[5] Advantech Czech: ICR-3200 – Configuration Manual

Product-related documents and applications can be obtained on Engineering Portal at icr.advantech.czaddress.

Documents / Resources

	ADVANTECH v2 Router App [pdf] User Guide v2 Router App, v2, Router App, App

References

- Advantech 4G, 5G Cellular Routers & Gateways for IoT applications - Engineering Portal
- Advantech 4G, 5G Cellular Routers & Gateways for IoT applications - Engineering Portal

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