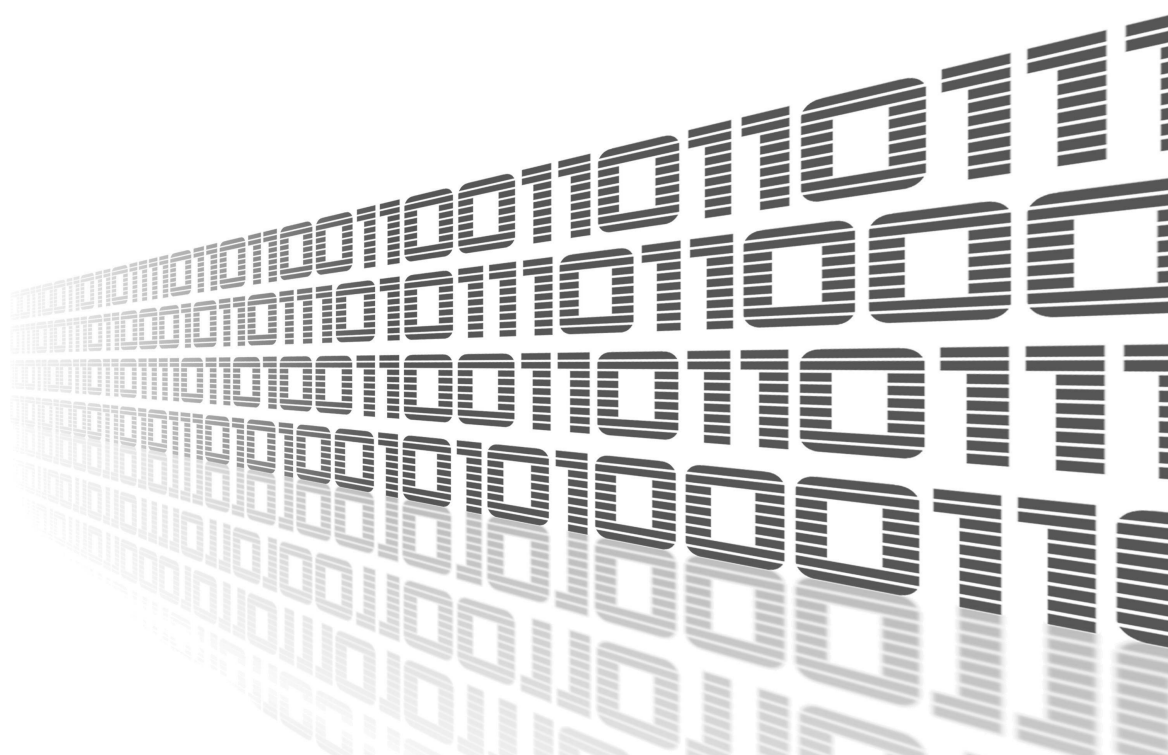




User Module

Ethernet Mirroring

APPLICATION NOTE



Used symbols



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



Attention – Problems that can arise in specific situations.



Information, notice – Useful tips or information of special interest.



Example – example of function, command or script.



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1. Module Usage

1.1 Module Description

Ethernet Mirroring user module can be used to set network traffic mirroring from an Ethernet interface to another Ethernet interface.



Please note that this user module is supported by the firmware of version 6.1.8 and higher.



This user module is compatible with *Advantech* routers of v2 and v3 platforms only.



This user module is not installed on *Advantech* routers by default. See *Configuration Manual* for the description how to upload a user module to the router. For more information see [1], [2], [3] or [4], chapter *Customization* → *User Modules*.

1.2 Web Interface

Once the installation of the module is complete, the module's GUI can be invoked by clicking the module name on the *User modules* page of the router's web interface. Left part of this GUI contains the menu with *Status* menu section which contains *Overview* and *System Log* items. *Configuration* menu section contains *Global* item and *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 the module's GUI is shown in Figure 1.

Status
Overview
System Log
Configuration
Global
Customization
Return

Figure 1: Main menu

1.3 Module Configuration

Configuration of this user module can be done on *Global* page, under *Configuration* menu section, see Figure 2. All configuration items are described in Table 1.

The screenshot shows a web interface titled "Global Configuration". It contains a checkbox labeled "Enable mirroring". Below it are two dropdown menus: "Source Interface" with "eth0" selected, and "Destination Interface" with "eth1" selected. At the bottom is an "Apply" button.

Figure 2: Configuration page

Item	Description
Enable mirroring	If enabled, the functionality of the module is turned on. Please note that this user module is supported by the firmware of version 6.1.8 and higher .
Source Interface	Select a source Ethernet interface.
Destination Interface	Select a destination Ethernet interface. Note that this interface cannot be used and IP address cannot be assigned to it. If so, you will get an error when saving the configuration.
Apply	Click the apply button to apply changes in the configuration form.

Table 1: Configuration items description

1.4 Status Pages

There are two pages in the *Status* menu section showing the status information, *Overview* and *System Log* page. The *Overview* page displays information about module state, with information if the module is running or not. *System Log* page display full router system log, not just for the module. In case of any issues, explore this log for the debugging.

2. Related Documents

- [1] Advantech Czech: **v2 Routers – Configuration Manual** (MAN-0021-EN)
- [2] Advantech Czech: **SmartFlex – Configuration Manual** (MAN-0023-EN)
- [3] Advantech Czech: **SmartMotion – Configuration Manual** (MAN-0024-EN)
- [4] Advantech Czech: **SmartStart – Configuration Manual** (MAN-0022-EN)



Product related documents and applications can be obtained on *Engineering Portal* at <https://ep.advantech-bb.cz/> address.