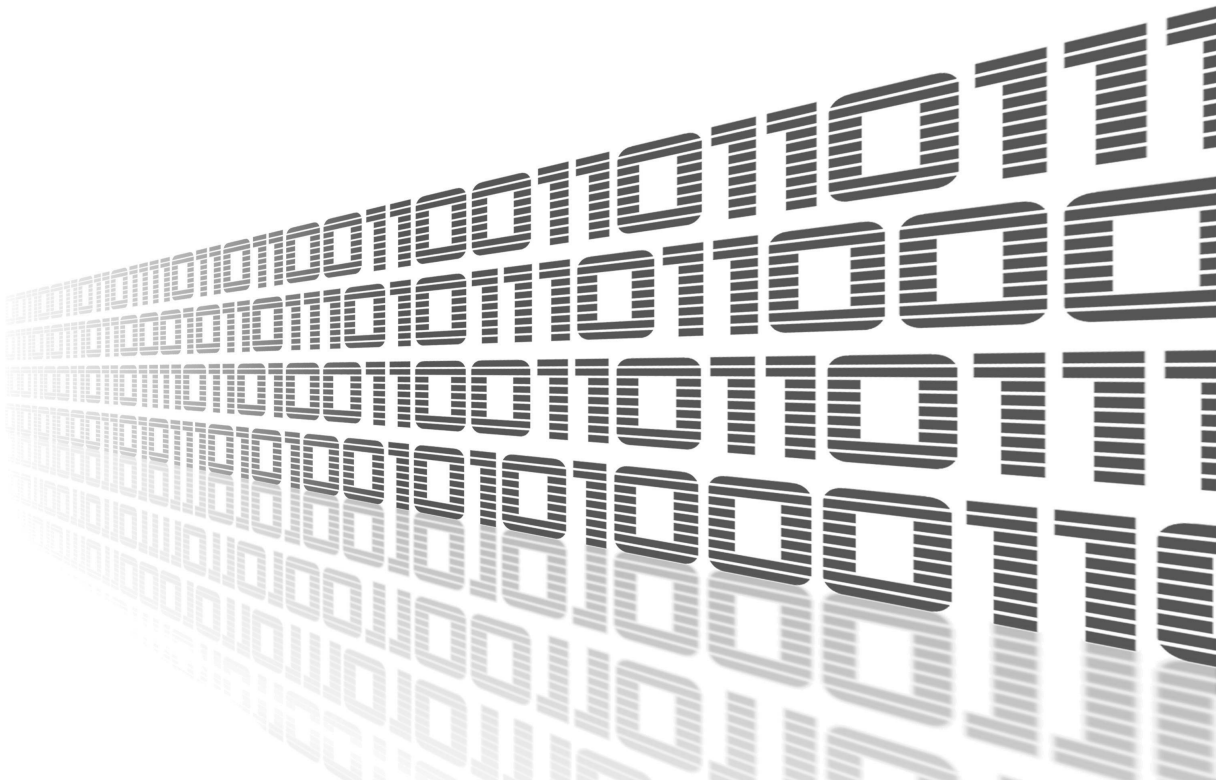
RouterApp

XC-CNT Update

APPLICATION NOTE



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Used symbols

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

Attention – Problems that may arise in specific situations.

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

Example – Example of function, command or script.

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Document No. APP-0106-EN, revised on October 4, 2022. Released in the Czech Republic.

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1. Description of the module

Router app *XC-CNT Update* is not contained in the standard router firmware. Uploading of this router app is described in the Configuration manual (see Chapter Related Documents).

The router app is only v2 router platform compatible.

The user interface CNT is intended for monitoring and processing of analog and binary signals and to control (produce) binary signals.

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 Status menu section, Configuration menu section and Customization 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 Figure 2.

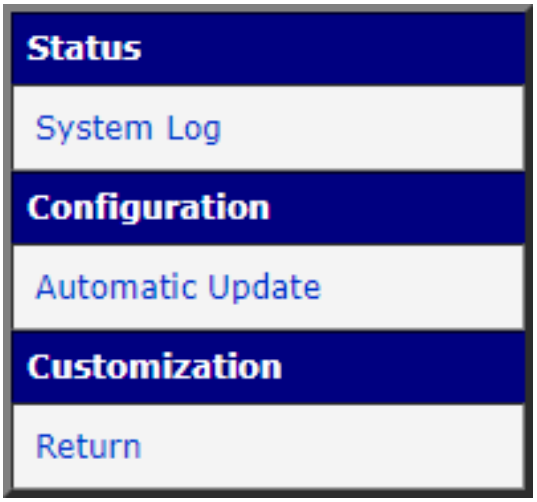

Figure 1: Menu

2.1 Configuration

2.1.1 Automatic Update

This Router App enables to change configuration of binary and counter inputs of CNT interface. The settings of binary and counter inputs is done by firmware in which the single inputs and outputs are defined. You can choose from firmware versions (pinout configurations) listed in the table bellow.

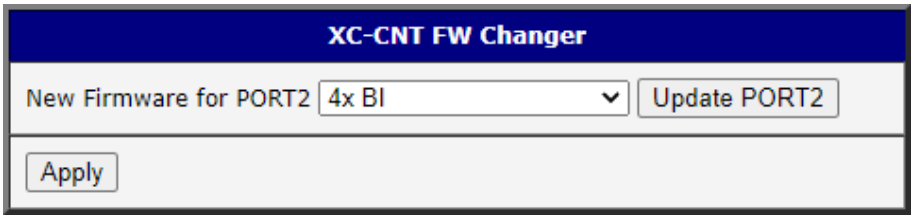

Figure 2: Configuration

To change the firmware, select it and click the Update PORT1 (PORT2) button. It will take a minute to flash the CNT board and progress will be shown. Click OK after the process was successful.

Note: The Apply button alone does not change the firmware (configuration)!

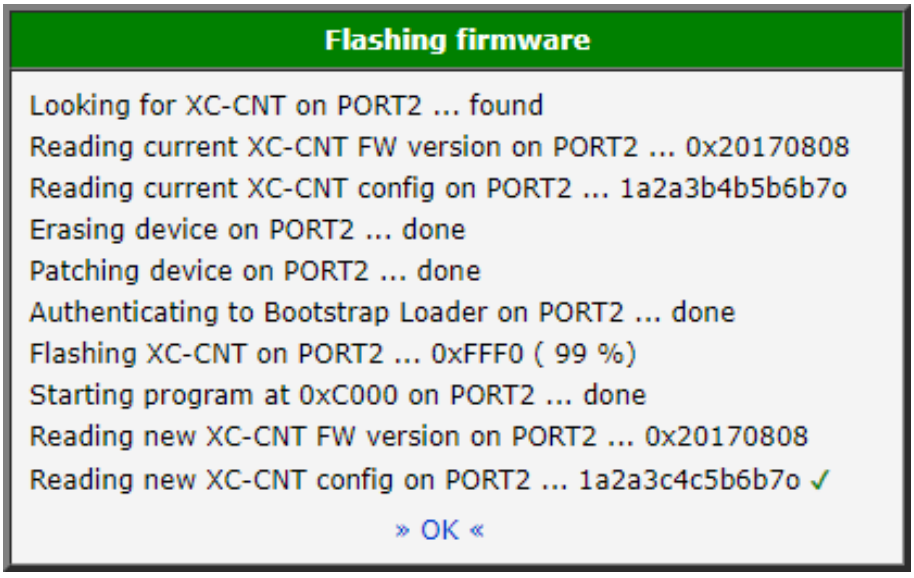

Figure 3: Firmware update

After firmware updated is finished, simply click *OK* and you are ready to go.

Firmware version	Connector Pinout
4x BI	1 – BIN1 – Binary input 2 – BIN2 – Binary input 3 – BIN3 – Binary input 4 – BIN4 – Binary input 5 – GND – Signal ground 6 – OUT1 – Binary output (open collector) 7 – AN1 – Analogue input 8 – AN2 – Analogue input
3x BI + 1x CNT	1 – CNT1 – Counter input 2 – BIN2 – Binary input 3 – BIN3 – Binary input 4 – BIN4 – Binary input 5 – GND – Signal ground 6 – OUT1 – Binary output (open collector) 7 – AN1 – Analogue input 8 – AN2 – Analogue input
2x BI + 2x CNT	1 – CNT1 – Counter input 2 – CNT2 – Counter input 3 – BIN3 – Binary input 4 – BIN4 – Binary input 5 – GND – Signal ground 6 – OUT1 – Binary output (open collector) 7 – AN1 – Analogue input 8 – AN2 – Analogue input

Table 1: Available firmware versions and the connector pinout

3. Related Documents

[1] Advantech Czech: **Expansion Port CNT User Manual** (MAN-0028-EN)

You can obtain product-related documents on *Engineering Portal* at *icr.advantech.cz* address.

To get your router's *Quick Start Guide*, *User Manual*, *Configuration Manual*, or *Firmware* go to the *Router Models* page, find the required model, and switch to the *Manuals* or *Firmware* tab, respectively.

The *Router Apps* installation packages and manuals are available on the *Router Apps* page.

For the *Development Documents*, go to the *DevZone* page.