ADVANTECH TCP SYN Keep Alive Router App User Guide
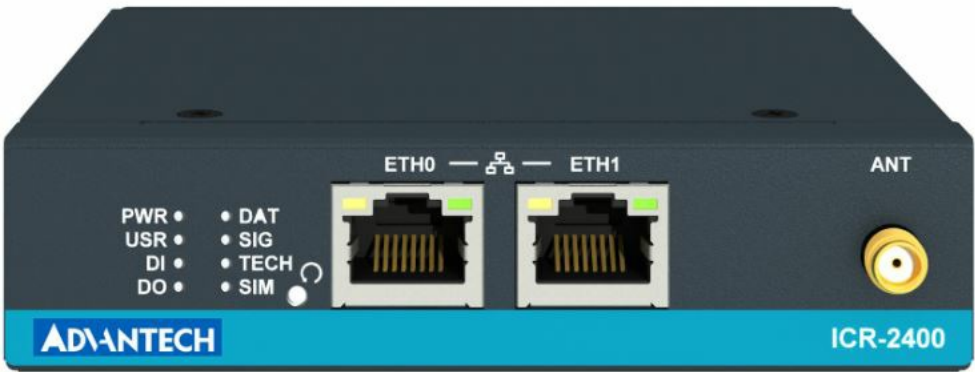
Contents

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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.

ℹ️ **Information –** Useful tips or information of special interest.

📝 **Example –** Example of function, command or script.

Changelog

TCP SYN Keep-Alive Changelog

- v1.0.1 (2012-11-22)

  First release.
- v1.1.0 (2017-03-21)
- Recompiled with new SDK.

  v1.2.0 (2020-10-01)
- Updated CSS and HTML code to match firmware 6.2.0+.

Description of router app

The router app TCP SYN Keep-Alive is not contained in the standard router firmware. Uploading of this router app is described in the Configuration manual (see Chapter Related Documents). Using this module it is possible to check the functionality of the TCP connection with a defined IP address (on a specified TCP port). Establishing the connection is carried out regularly at a specified interval. Failed attempts to establish a TCP connection are logged and at the moment when the preset limit is exceeded WAN connection is restarted.

For configuration TCP SYN Keep-Alive router app is available web interface, which is invoked by pressing the module name on the Router apps page of the router web interface. The left part of the web interface contains the menu with pages for monitoring (Status), configuration (Configuration) and customization (Customization) of the module. The customization block contains only the Return item, which switches this web interface to the interface of the Conel router.
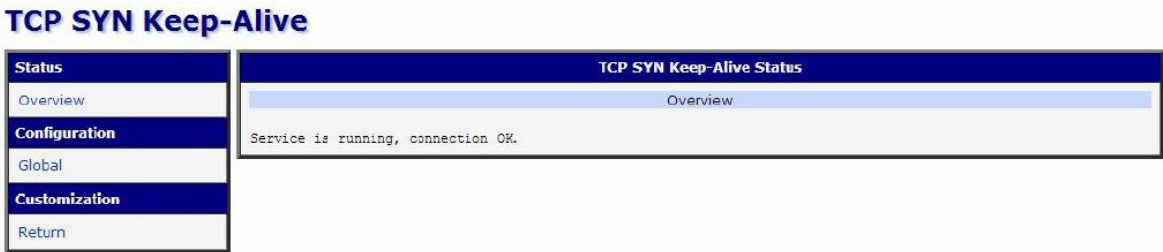
Figure 1: Web interface

Web interface

Overview

In the section with pages for monitoring the status of the router (Status) is available only the Overview item displays information about the activities of this router app.
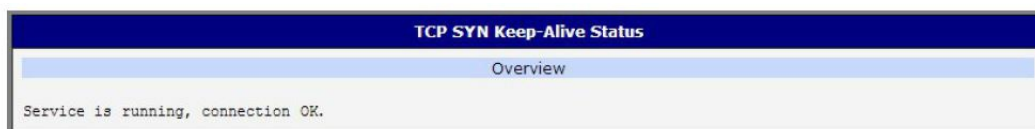
Figure 2: Overview

Global

The actual configuration of the TCP SYN Keep-Alive router app is performed via the form named Global. The first item in the form – Enable TCP SYN Keep-Alive service – is used to activate this router app. Then it is necessary to define the following items:

Item Description

- IP address IP address on which the TCP connection is checked
- TCP port Port number used for communication
- Period After this time, further check of TCP connection is done (in minutes)
- Max. failure Maximum number of fails after which the WAN connection is restarted
- Table 1: Description of items in the configuration form

All changes will be applied after pressing the Apply button.

Figure 3: Global

Related Documents

You can obtain product-related documents on the 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

Documents / Resources

ADVANTECH TCP SYN Keep Alive Router App [pdf] User Guide
TCP SYN Keep Alive Router App, TCP SYN, Keep Alive Router App, Alive Router App, Router App, App

References

- A **Advantech 4G, 5G Cellular Routers & Gateways for IoT applications - Engineering Portal**
- A **Advantech 4G, 5G Cellular Routers & Gateways for IoT applications - Engineering Portal**
- A **DevZone - Cellular Routers Engineering Portal**
- A **Router Apps - Cellular Routers Engineering Portal**
- A **Router Models - Cellular Routers Engineering Portal**
- **User Manual**

Manuals+,