



NTPv4





© 2024 Advantech Czech s.r.o. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photography, recording, or any information storage and retrieval system without written consent. Information in this manual is subject to change without notice, and it does not represent a commitment on the part of Advantech.


Advantech Czech s.r.o. shall not be liable for incidental or consequential damages resulting from the furnishing, performance, or use of this manual.


All brand names used in this manual are the registered trademarks of their respective owners. The use of trademarks or other designations in this publication is for reference purposes only and does not constitute an endorsement by the trademark holder.

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.

Contents

1. Changelog	1
1.1 NTPv4 Changelog	1
2. Description of the module	2
3. Web Interface	3
3.1 Configuration	3
3.1.1 NTP	3
3.2 Information	4
3.2.1 Licenses	4
4. Related Documents	5

List of Figures

1 Menu	3
2 NTP	3
3 Licenses	4

List of Tables

1 Configuration Example Items Description	4
---	---

1. Changelog

1.1 NTPv4 Changelog

v1.0.0 (2020-06-29)

- First release


v1.1.0 (2020-10-01)


- Updated CSS and HTML code to match firmware 6.2.0+


v1.2.0 (2021-04-22)

- Added support of ntpq and ntpdc


2. Description of the module

 The functionality of this Router App is integrated into firmware version 6.5.0 and above. It is not integrated for v2 and v2i product families.

 This Router App has been tested on a router with firmware version 6.3.10. After updating the router's firmware to a higher version, make sure that a newer version of the Router App has not also been released, as it is necessary to update it as well for compatibility reasons.

 Router app *NTPv4* is not contained in the standard router firmware. Uploading of this router app is described in the Configuration manual (see Chapter [Related Documents](#)).

The Network Time Protocol (NTP) is widely used to synchronize computer clocks in the Internet. NTPv4 includes a modified protocol header to accommodate the Internet Protocol version 6 address family. NTPv4 includes fundamental improvements in the mitigation and discipline algorithms that extend the potential accuracy to the tens of microseconds with modern workstations and fast LANs.

 Ntpq and ntpdc commands are supported from module version 1.2.0.

3. 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 and Information 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 1.

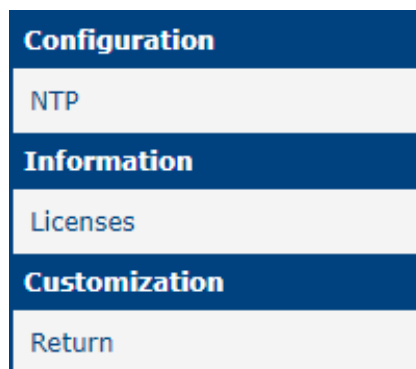


Figure 1: Menu

3.1 Configuration

3.1.1 NTP

Configuration of this router app can be done on Global page, under Configuration menu section. All configuration items for Global configuration page are described in the table below.

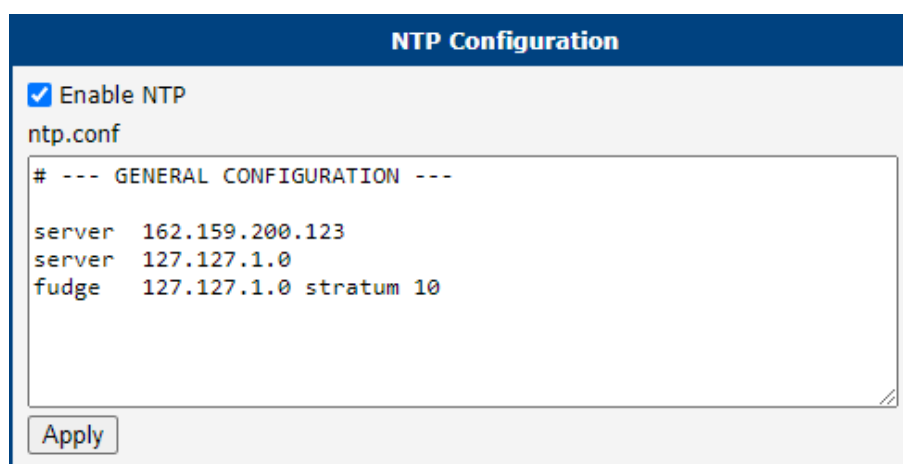


Figure 2: NTP

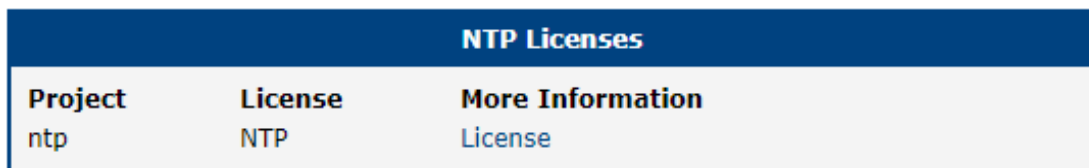
Item	Description
Enable NTP	Enabled, NTP functionality of the module is turned on.

Table 1: Configuration Example Items Description

3.2 Information

3.2.1 Licenses

You can check the license on the NTP Licenses Page in the Information section in the main menu.



NTP Licenses		
Project	License	More Information
ntp	NTP	License

Figure 3: Licenses

4. Related Documents

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