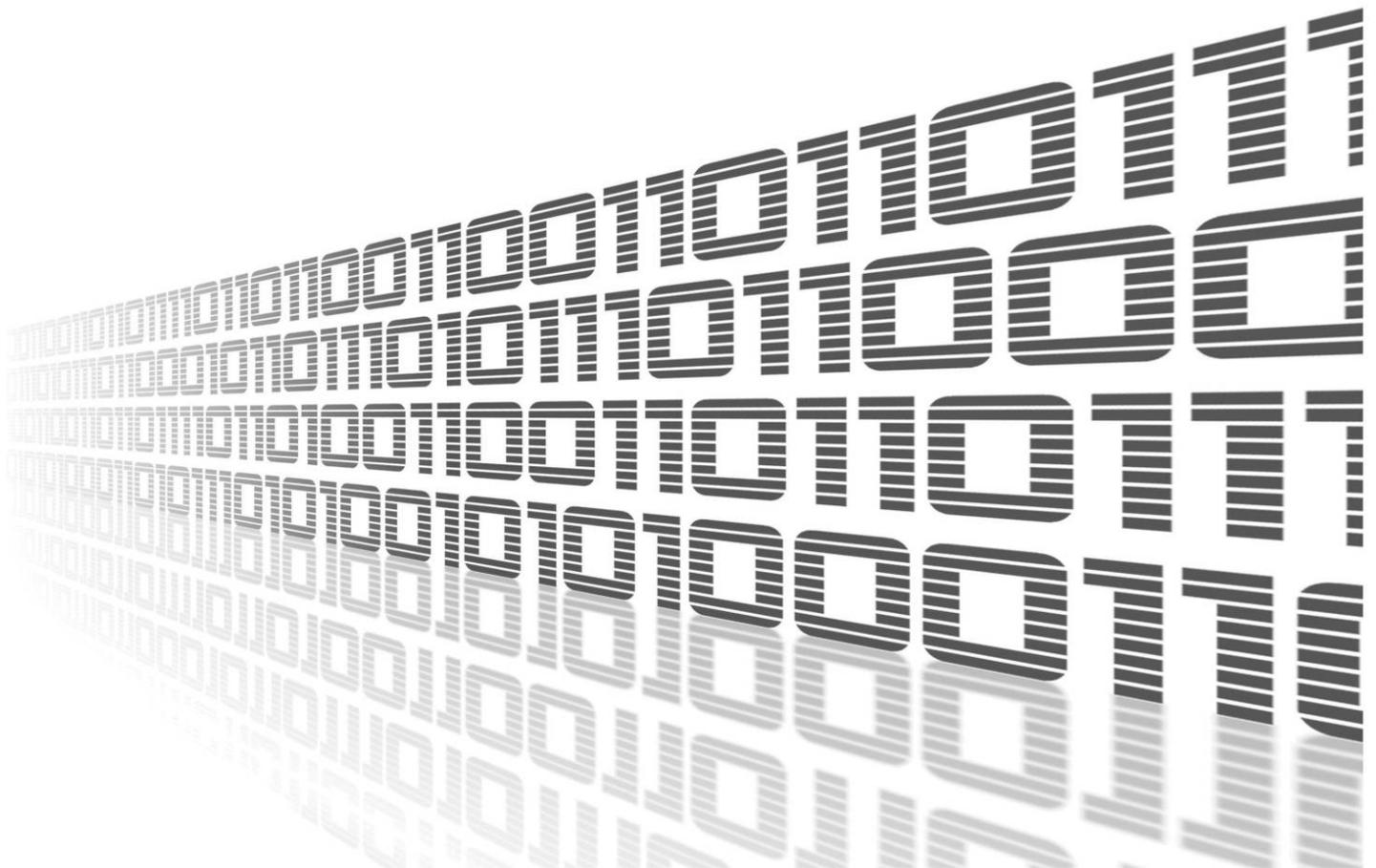


# ADVANTECH



## Transparent Mode



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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.

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# 1. Changelog



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 After updating the router's firmware to a higher version, make sure that a newer version of the Router App has not also been released, as it is necessary to update it as well for compatibility reasons.

## 1.1 Transparent Mode Changelog

### v1.0.0 (2014-06-24)

- First release.

### v1.0.1 (2014-07-03)

- Fixed DNS issue.
- DHCP lease time increased to 60 seconds.

### v1.0.2 (2014-07-07)

- Fixed DNS issue that occurs when the operator do not assign DNS.

### v1.0.3 (2014-07-08)

- Added support of port forwarding.

### v1.0.4 (2014-07-16)

- Added support of outbond traffic from router.

### v1.0.5 (2014-08-21)

- Fixed NAT bugs with incoming traffic.

### v1.1.0 (2017-03-21)

- Recompiled with new SDK.

### v1.1.1 (2017-06-22)

- Added using of the largest possible netmask on internal network.

### v1.1.2 (2020-06-19)

- Fixed handling with modules without arp.

### v1.2.0 (2022-11-03)

- Reworked license information.

### v1.2.1 (2024-02-16)

- Added description and summary files.

## 2. Description of router app



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



This router app works for the ETH0 interface only.

After loading the router app into any Advantech router, this router becomes "invisible" for the remote devices. It is available only for a device that is located behind the router. The default IP address of the ETH0 interface is 192.168.1.1. All communication with the device, that is located behind this router, runs directly. This means that communication from the Internet toward the SIM IP will be redirected to the interface of the device behind this router.



The device connected to the Advantech router must have the DHCP client enabled.

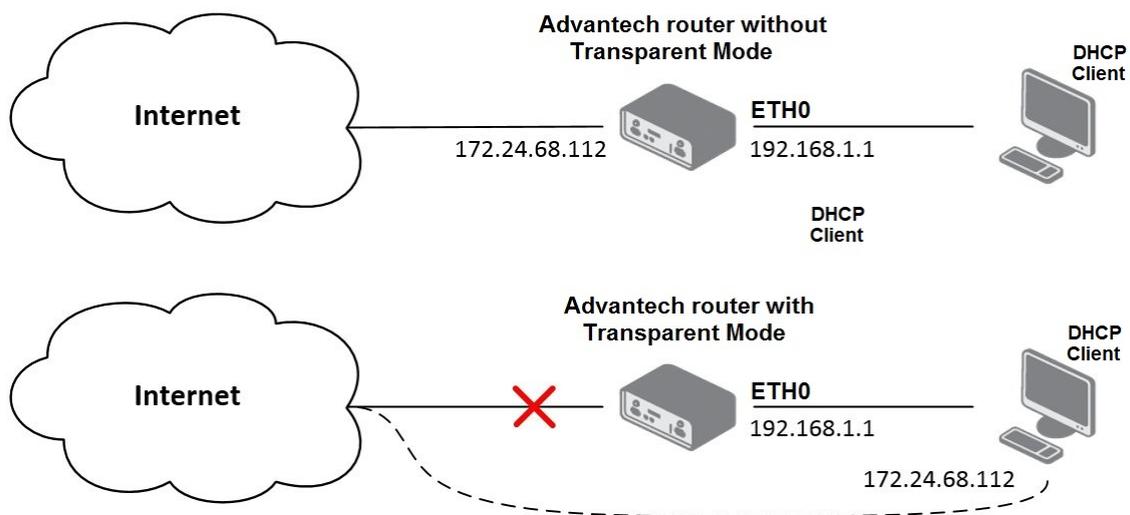


Figure 1: Functional scheme



The router app has no web interface and it is not necessary to activate it (it's active immediately after uploading).







## 4. Related Documents

You can obtain product-related documents on *Engineering Portal* at [icr.advantech.com](http://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.