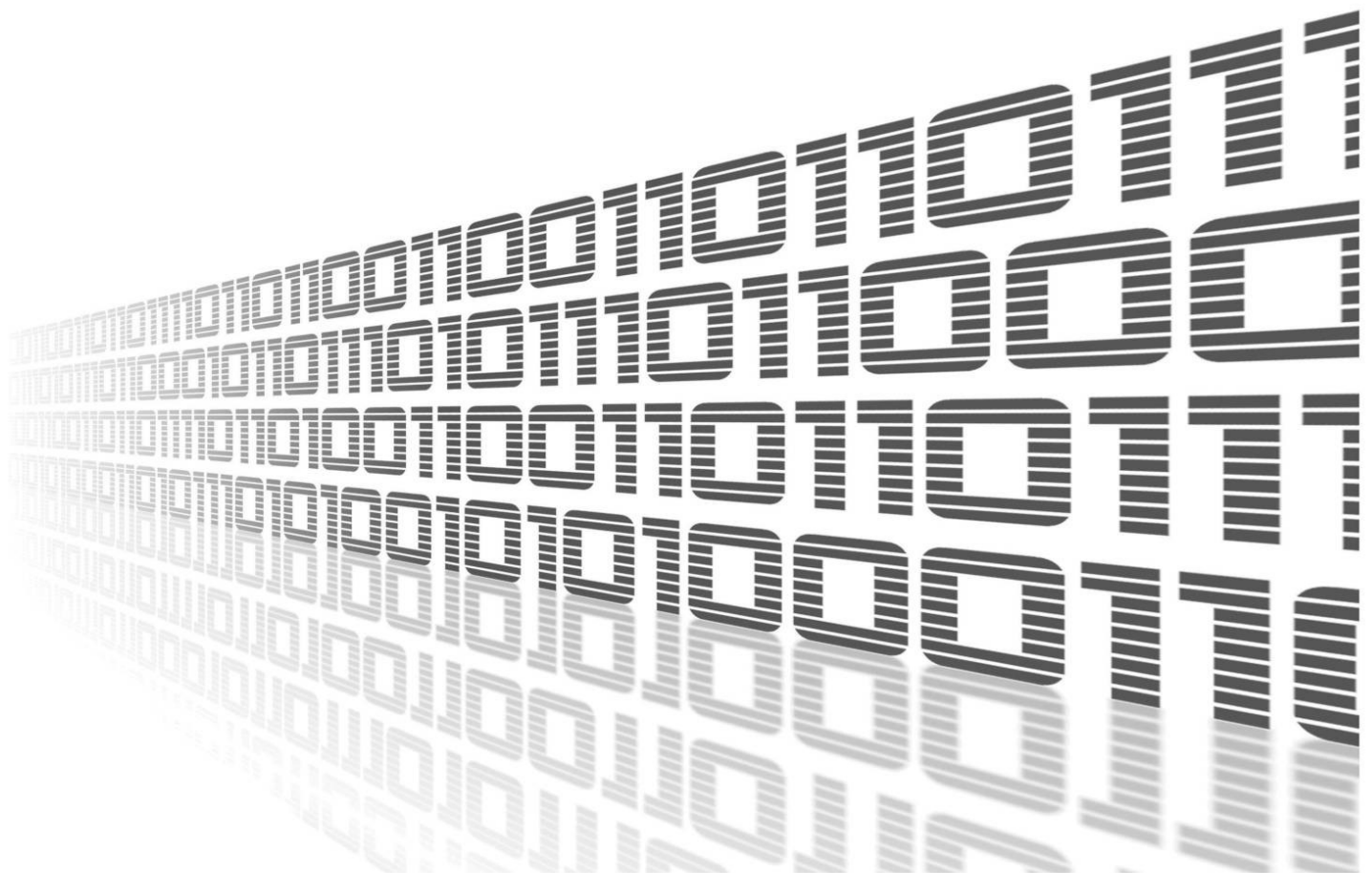




USR LED Management



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Used symbols



Important

Important — Indicates a risk to personal safety or potential damage to the router. Follow these instructions precisely to prevent injury or equipment damage.



Warning

Warning — Highlights conditions that may cause malfunction, loss of data, or unexpected behavior in specific situations. Read carefully before proceeding.



Info

Info — Provides helpful tips, context, or references that improve understanding but are not strictly required to complete the task.



Code Example



Code Example - Copy-pasteable configuration snippets or CLI commands.

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1. Introduction

Warning

Important Notice Regarding Firmware Version 6.6.0 and above

- **Feature Integration:** As of router firmware version 6.6.0, the functionality of this Router App is now included as a standard feature. It can be accessed via *Configuration* → *Peripheral Ports* → *Inputs/Outputs*.
- **Recommendation:** On routers running version 6.6.0 or newer, it is strongly recommended to use the native firmware feature and uninstall this app to prevent potential conflicts.
- **Migration Advisory:** When transitioning from this app to the integrated feature, you must carefully review the new settings. Default values and available options may differ, and failing to adjust them could lead to unexpected reboot behavior.

USR LED Management Router app allows you to choose how the USR LED diode embedded on the router will react. The figure below shows the USR LED located on the ICR-2800 router.

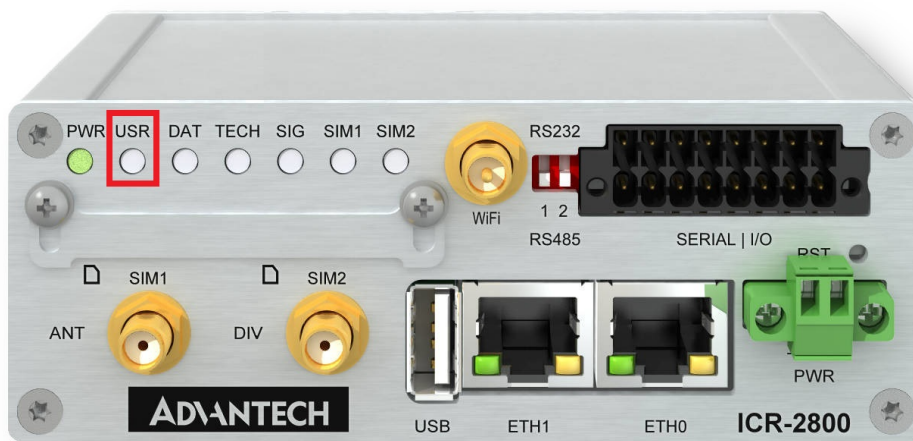


Figure 1: USR LED on the ICR-2800 router

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 the router's web interface.

The left part of this GUI contains the *Return* item, which navigates back from the module's web page to the router's web configuration pages.

2. Configuration

USR LED Management Router App settings can be configured directly in the main form of the module web interface, refer to the image below (Figure 2).

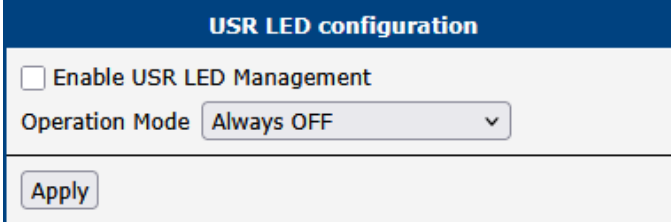


Figure 2: Router App configuration GUI

The table below lists all available configuration options for this Router App.

Warning

- The character *x*, shown in the table below, represents the port or input number. The specific number available depends on the device model.
- Similarly, some items from this menu may not be available on all router models.
- The USR LED signaling is indicative only; its timing may not correspond exactly to the moment an activity starts or finishes.

Item	Description
Enable USR LED anagement	Tick this checkbox to enable the LED management for the <i>Operation Mode</i> set up below.
Operation mode	<ul style="list-style-type: none"> • Always OFF – The LED is permanently off. • Always ON – The LED permanently lights. It is useful when trying to find a physical router among many other routers. • Binary IN <i>x</i> – The LED lights when the binary input <i>x</i> is in 1 (on) state. State is updated each 100 ms. • Binary OUT <i>x</i> – The LED lights when the binary output <i>x</i> is in 1 (on) state. State is updated each 100 ms. • Portx Rx activity – The LED lights when a serial on the expansion port <i>x</i> is receiving data. • Portx Tx activity – The LED lights when a serial on the expansion port <i>x</i> is transmitting data. • Portx Rx and Tx activity – The LED lights when a serial on the expansion port <i>x</i> is receiving and/or transmitting data. • WiFi AP activity – The LED lights when a client is connected to the router's WiFi AP and flashes when communicating. • WiFi STA activity – The LED lights when the router is connected to a WiFi AP and flashes when communicating. • OpenVPN active – The LED lights when the OpenVPN tunnel is established and has received some data. • IPsec active – The LED lights when the IPsec tunnel is established. • WebAccess/DMP active – The LED lights when the router is connected to a WebAccess/DMP server. • WebAccess/VPN active – The LED lights when the router is connected to a WebAccess/VPN server.

Table 1: Configuration page options

3. 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 [Development](#) page.