

RUTX14 LEDs

[Main Page](#) > [RUTX Routers](#) > [RUTX14](#) > [RUTX14 Manual](#) > **RUTX14 LEDs**

This page contains information the different types of LEDs and their behaviour on a RUTX14 device.



Contents

- [1 Power LED](#)
- [2 WiFi band LEDs](#)
- [3 WAN type LEDs](#)
- [4 Ethernet port LEDs](#)
- [5 Mobile network type LEDs](#)
- [6 Mobile signal strength indication LEDs](#)

Power LED

The **power LED** is located on the bottom left corner of the front panel, just under the power connector.



It indicates whether the device is powered on or not.

| State | Description |
|----------------|---------------------------|
| LED turned on | Device is powered on. |
| LED turned off | Device is not powered on. |

WiFi band LEDs

The **WiFi band LEDs** are located at the bottom of the front panel of the device, to the left of the Ethernet ports.



They display whether a WiFi Access Point (AP) is active on a specific band.

| State | Description |
|--------------------|---|
| 2.4 LED turned on. | At least one 2.4 GHz Access Point is running. |
| 2.4 LED turned off | No 2.4 GHz Access Points are running. |
| 5 LED turned on | At least one 5 GHz Access Point is running. |
| 5 LED turned off | No 5 GHz Access Points are running. |

WAN type LEDs

The **WAN type LEDs** are located at the top-right of the front panel.



They indicate which type of Internet connection is currently active.

| State | Description |
|--------------|--|
| SIM1 LED on | A mobile data connection on SIM1 is active. |
| SIM1 LED off | A mobile data connection on SIM1 is inactive. |
| SIM2 LED on | A mobile data connection on SIM2 is active. |
| SIM2 LED off | A mobile data connection on SIM2 is inactive. |
| WiFi LED on | A WiFi data connection (WiFi WAN) is active. |
| WiFi LED off | A WiFi data connection (WiFi WAN) is inactive. |
| ETH LED on | An Ethernet data connection (wired WAN) is active. |
| ETH LED off | An Ethernet data connection (wired WAN) is inactive. |

Ethernet port LEDs

There are two **LEDs** located at the top of each **Ethernet port**.



They provide information on the current states of the Ethernet ports. Each port has two LEDs:

- **Orange** - 10/100 Mbps connection
- **Green** - 1000 Mbps connection

Below is an explanation on the behaviours of green and orange LEDs.

| State | Description |
|--------------|---|
| LED on | A data connection on the port is operational (cable plugged in, end device visible, no data is being transferred). |
| LED off | No data connection on the port is operational (no cable, bad cable or end device not visible for some other reason (such as damaged network card)). |
| LED blinking | Connection established and data is being transferred over this port. |

Mobile network type LEDs

The **mobile network type LEDs** are located near the SIM card slot.



They display which type of Internet connection is currently active.

| Action | Description |
|--|--|
| 3G LED turned on | Device is connected to a 3G network. |
| 4G LED turned on | Device is connected to a 4G network. |
| 3G blinking | Device is connected to a 3G network but hasn't received an IP address. |
| 4G blinking | Device is connected to a 4G network but hasn't received an IP address. |
| All LEDs blinking at the same time every 500 ms | No SIM card or incorrect PIN. |
| All LEDs turn on and off in a sequence one after the other | The device is attempting to connect to a mobile network operator. |

Mobile signal strength indication LEDs

The **mobile signal strength indication LEDs** are located near the SIM card slot.



The number of lit up LEDs represents a different mobile signal strength ([RSSI](#)) value in dBm.

No. of lit up LEDs

Signal strength value

| | |
|---|---------------------|
| 0 | ≤ -111 dBm |
| 1 | -110 dBm to -82 dBm |
| 2 | -81 dBm to -52 dBm |
| 3 | ≥ -51 dBm |

The Mobile signal strength LEDs can also be used as a **time indicator for holding the reset button**. When you press and hold the reset button, if there is a User's default configuration configured on the device, you have to hold it pressed for 6 seconds (by default) to initiate a **User's default configuration reset** and 12 seconds (by default) to initiate a **Factory reset**. Otherwise, it is only necessary to hold the reset button for 6 seconds to trigger a **Factory reset**. If the button was held down longer than 20 seconds (by default) no action will be taken.

While holding the reset button each lit up signal strength LED indicate that a period of two seconds has passed. In case with **RUTX14**, when all 3 Mobile signal strength LEDs are lit up, they represent that 6 (LED number multiplied by 2) seconds have passed since you pressed down on the reset button.

After releasing the button at one of the reset periods, all 3 LEDs will start blinking every 1 second. This signifies that the router **has begun the reset**.