RUCKUS Edge 114 Quick Setup Guide

This *Quick Setup Guide* provides basic instructions for setting up the RUCKUS Edge 114 on the network. For information on advanced configuration and management options, see the *RUCKUS Edge Getting Started Guide* and *RUCKUS Edge Configuration Guide*, which are applicable to RUCKUS Edge 114 and are available for download from the RUCKUS Support website:

https://support.ruckuswireless.com/documents

Licensing Information

The RUCKUS Edge device requires a standard license for every device. For more information, refer to *RUCKUS One Subscriptions Licensing Guide*.

Before You Begin

Before deploying RUCKUS products, please check for the latest software and the release documentation.

- Release Notes and other user documentation are available at http://support.ruckuswireless.com/documents.
- Software license and limited warranty information are available at https://support.ruckuswireless.com/programs-warranty_registration.

Package Contents

- One RUCKUS Edge 114 device
- One 12V, 40W, 3.33A power adapter
- Four rubber feet pads
- QR Code link insert

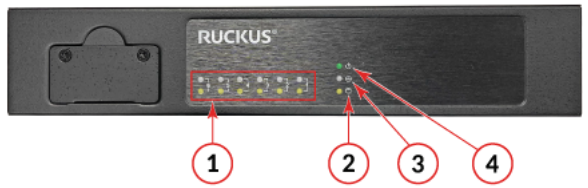
What You Will Need

- An administrative computer (admin PC) with a connection to the local area network
- A web browser, such as Internet Explorer, Mozilla Firefox, Google Chrome, Apple Safari, or Microsoft Edge
- The IP address, netmask, gateway, and DNS server addresses assigned to the RUCKUS Edge— using either DHCP IP address or static IP address which can access the internet
- RUCKUS One credentials
- Outbound HTTPS (TCP 443) from RUCKUS Edge to:
  - https://ap-registrar.ruckuswireless.com
  - https://sw-registrar.ruckuswireless.com
  - https://ruckus.cloud
  - https://eu.ruckus.cloud
  - https://asia.ruckus.cloud
  - https://device.ruckus.cloud
  - https://device.eu.ruckus.cloud
  - https://device.asia.ruckus.cloud
  - https://storage.googleapis.com
  - https://edge-docker-registry.asia.ruckus.cloud
  - https://edge-docker-registry.eu.ruckus.cloud
  - https://edge-docker-registry.ruckus.cloud
  - https://registrar.ruckuswireless.com
  - https://us-docker.pkg.dev
- Outbound HTTP (TCP 80) from APs, Switches and Edges to:
  - http://ocsp.comodoca.com
  - http://ocsp.entrust.net
  - http://ocsp.godaddy.com
- Outbound SSH (TCP 22) from APs, Switches and Edges to:
  - device.ruckus.cloud
  - device.eu.ruckus.cloud
  - device.asia.ruckus.cloud

Device SKU

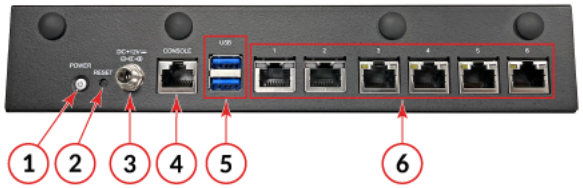
RUCKUS Edge 114 stock keeping unit (SKU) P01-E114-WW00.

- **FIGURE 1** RUCKUS Edge 114 Front View



1. LAN ports
2. Activity LED
3. Status LED
4. Power LED

- **FIGURE 2** RUCKUS Edge 114 Rear View



1. Power button
2. Reset button
3. DC power jack
4. Console port
5. USB port
6. Ethernet ports

NOTE: For hardware reset ((device restart)): Press the **Reset** button.

For factory default reset: Press the **Reset** button for more than 4 seconds.

Step 1: Connecting the RUCKUS Edge 114 to the Network

1. Connect the RUCKUS Edge 114 to a convenient power source —it will automatically power on. When the RUCKUS Edge 114 has started up successfully, the **Status** LED turns to a slow-blinking green light.

   NOTE: The RUCKUS Edge 114 must be powered on for a minimum of five seconds before it is powered off using the power button. To ensure complete shutdown while powering off RUCKUS Edge 114, hold the power button for a minimum of five seconds—untill the Power LED turns off completely.

2. Obtain an Ethernet cable. Connect one end of the Ethernet cable to one of the LAN ports on the RUCKUS Edge 114, and then connect the other end to your network switch or router. A DHCP server should be available in the connected LAN environment for the RUCKUS Edge 114 to get the IP address.

Step 2: Obtaining the Serial Number

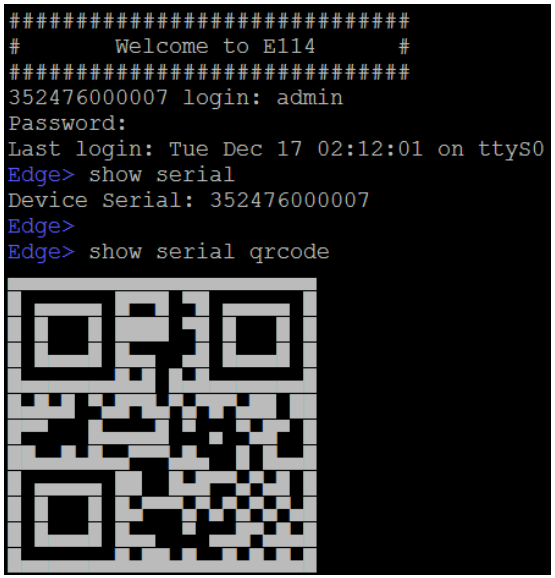
You can get the serial number of the device using the following methods:

- From the sticker label at the bottom of the device: Manually copy the serial number that follows SN or scan the barcode using the RUCKUS One mobile app on a mobile device.
- Using the CLI command:
  1. Log in to the console using the credentials: **Username**: admin, **Password**: admin.

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2. To view the device serial number, enter the command **show serial**.

FIGURE 3 Using the show serial Command



Step 3: Onboarding RUCKUS Edge 114 to RUCKUS One

RUCKUS One is used to manage your RUCKUS Edge 114 device.

Adding a RUCKUS Edge through the Web User Interface

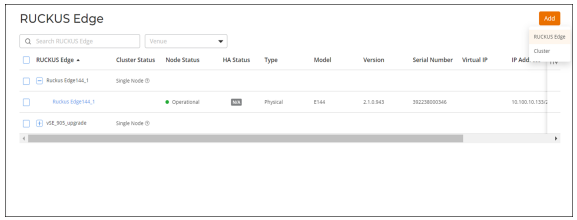
The first step of the RUCKUS Edge 114 onboarding process is to add your RUCKUS Edge 114 device to RUCKUS One.

To add a RUCKUS Edge via the RUCKUS One web interface, perform the following:

1. Log in to the RUCKUS One web user interface with your RUCKUS One credentials.
2. In the **RUCKUS One** menu, click **Gateway** > **RUCKUS Edge**.

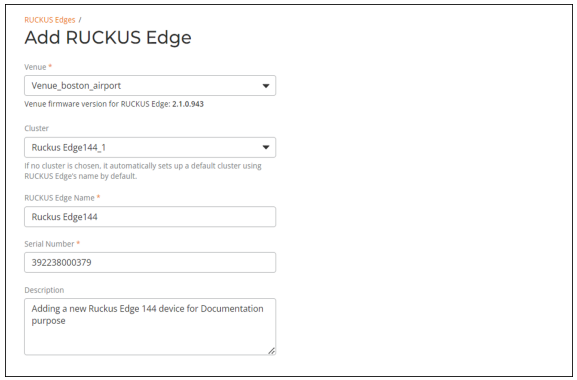
   This displays the **RUCKUS Edge** page.
3. In the **RUCKUS Edge** page, click **Add** and select **RUCKUS Edge**. This displays the **Add RUCKUS Edge** page.

FIGURE 4 Add RUCKUS Edge



4. In the **Add RUCKUS Edge** page, enter the following details:
   - **Venue**: Click the drop-down arrow to select a site to associate with the RUCKUS Edge device. A venue represents a physical space where networking devices are deployed.
   - **Cluster**: (Optional) Click the drop-down arrow to select the cluster to associate with RUCKUS Edge device. Set this field only if you are adding multiple RUCKUS Edge devices for redundancy. A cluster is a group of nodes which act as a single system to provide high availability and load balancing.
   - **RUCKUS Edge Name**: Enter a meaningful name for the RUCKUS Edge device.
   - **Serial Number**: Enter the serial number of the RUCKUS Edge device. Refer to Step 2: Obtaining the Serial Number on page 1 for more information.
   - **Description** (Optional): Enter a purposeful description for the RUCKUS Edge device.

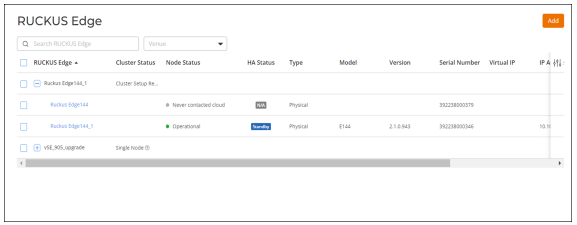
FIGURE 5 Add RUCKUS Edge Device



5. Click **Add**.

   This displays the newly added RUCKUS Edge device on the **RUCKUS Edge** screen.

FIGURE 6 New RUCKUS Edge Device



NOTE: Upon onboarding to RUCKUS One, the device will automatically upgrade to the latest firmware version associated with the venue.

Adding RUCKUS Edge through the Mobile Application

To add any RUCKUS Edge device using the RUCKUS One mobile application, download the RUCKUS One application from the **Play Store** (for Google Android phones) or **App Store** (for Apple iPhones).

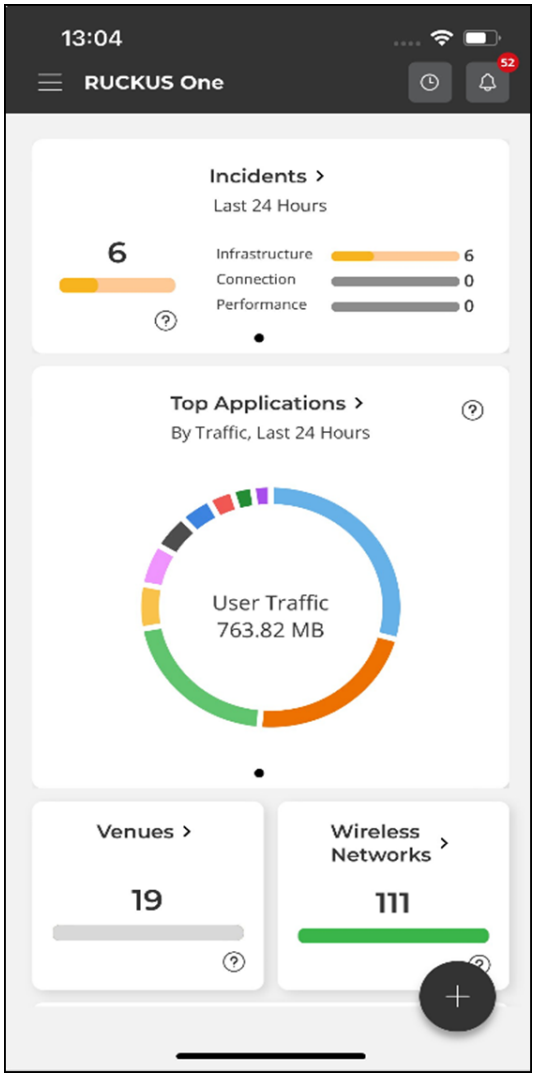
After downloading the RUCKUS One application on your mobile device, perform the following:

1. Log in to the **RUCKUS One** application with your credentials and select the region from the drop-down menu.

   This displays the **RUCKUS One Dashboard**.

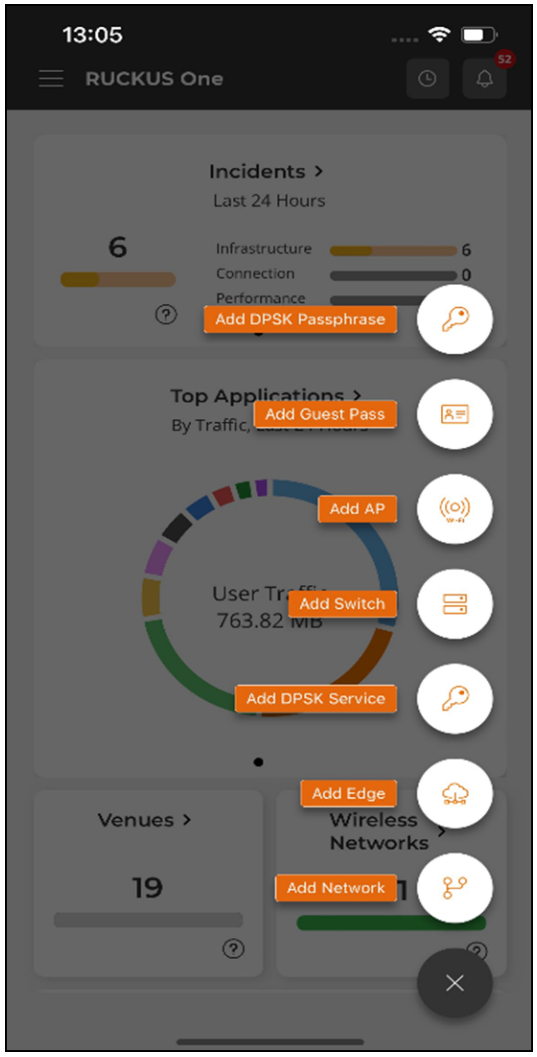
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FIGURE 7 RUCKUS One Dashboard



2. In the **Dashboard**, locate and click ⊕.
   This displays the **Add** menu.

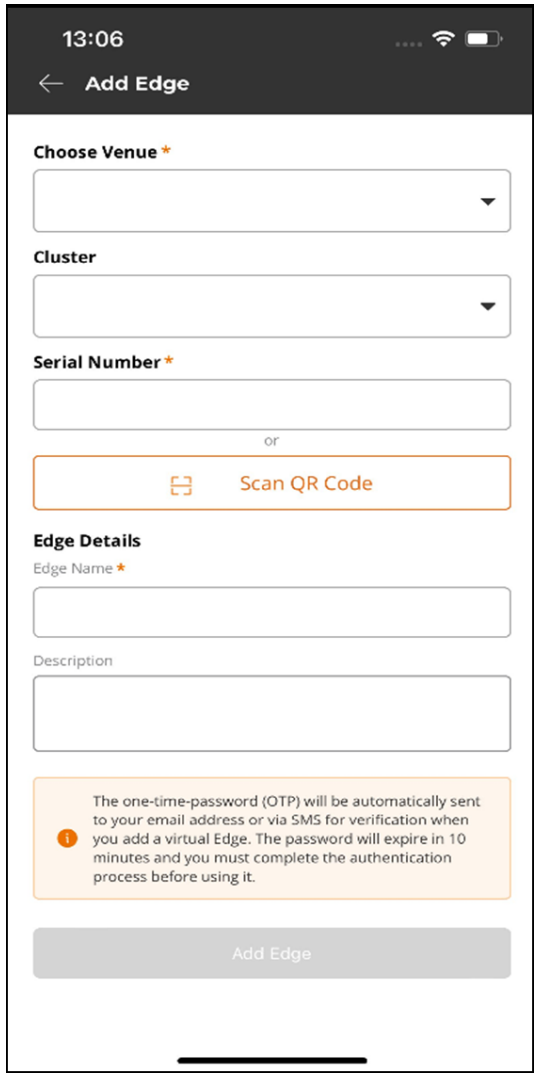
FIGURE 8 Add Menu



3. Click the **Add Edge** button or icon.
   This displays the **Add Edge** screen.
4. In the **Add Edge** screen, enter the following details:
   - **Choose Venue**: Click the drop-down arrow and choose the venue. A venue represents a physical space where networking devices are deployed.
   - **Cluster**: Click the drop-down arrow and choose the venue to which all traffic is tunneled in the specified venue.
   - **Serial Number**: Enter the serial number of the RUCKUS Edge device. Refer to Step 2: Obtaining the Serial Number on page 1 for more information.
   - **Edge Details**: Enter a meaningful name for the RUCKUS Edge device.
   - **Description** (optional): Enter a purposeful description for the RUCKUS Edge device.

   After all required fields are filled, the **Add Edge** button becomes active.

FIGURE 9 Add Edge Details Screen

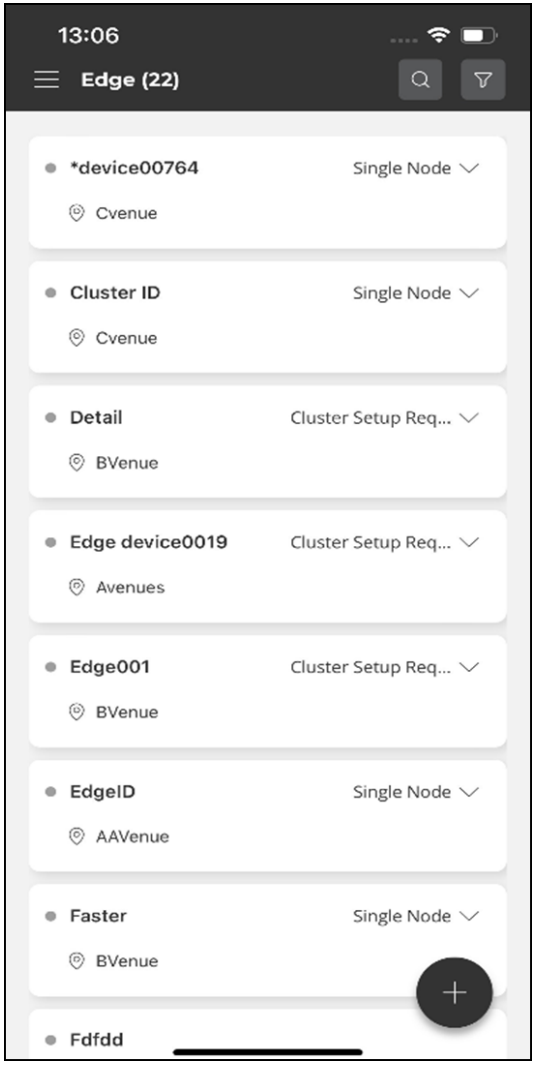


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5. Click **Add Edge**.

   The screen refreshes, showing a list of all RUCKUS Edge devices that have been added.

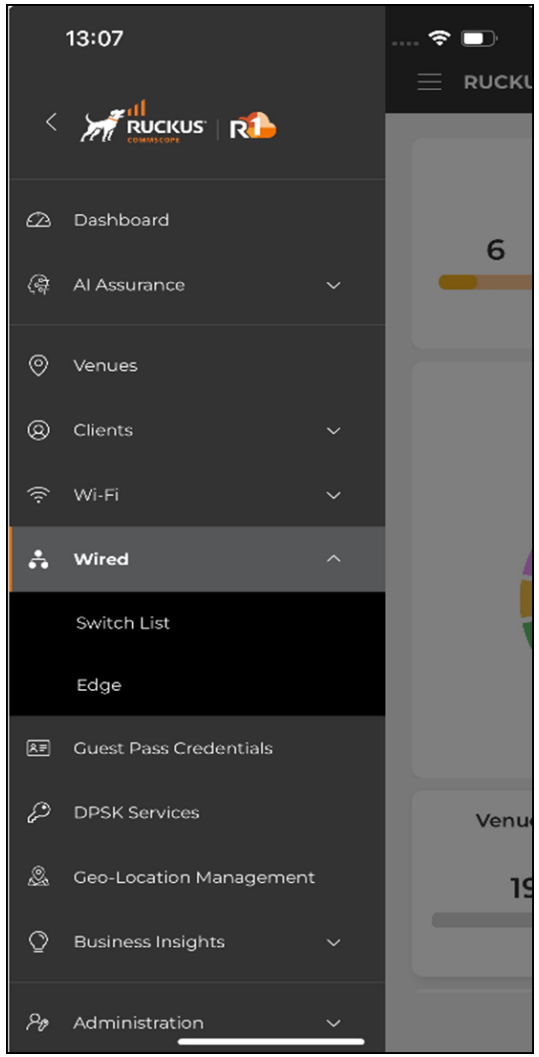
FIGURE 10 List of Devices on the Edge Screen



6. Click on the device name to view and monitor the RUCKUS Edge. In an operational device you can monitor the following activities:
   - **Overview** - Displays the Edge Status, Traffic by Volume, Resource Utilization, and other activities.
   - **Services** - Displays all the service-related information.
   - **DHCP** - Displays the device-related information such as Ports, Sub Interfaces, and so on.
   - **Timeline** - Displays the Alarms and Events.
   - **Events** - The severity types are defined by color codes. Event types are defined by severity; they are classified as **Critical**, **Major**, **Minor**, **Warning**, and **Informational**.

NOTE: At any time, you can view and monitor a specific RUCKUS Edge device by navigating the sidebar menu on RUCKUS One mobile app. Refer to Figure 11.

FIGURE 11 RUCKUS One Mobile Application Sidebar Menu



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Related Documentation

If you need more information about the RUCKUS Edge device, refer to the following documents, which are available for download on the https://support.ruckuswireless.com Support website:

- For information on how to mount and install the RUCKUS Edge device and how to complete the essential configuration tasks, refer to the *RUCKUS Virtual Edge Getting Started Guide*.
- For information on how to perform advanced configuration tasks and AP management and monitoring, refer to the *RUCKUS Edge Configuration Guide*.
- For a complete list of documentation on the RUCKUS Edge device, refer to the *RUCKUS Edge Release Notes*.
- For more information on how to manage your RUCKUS Edge device licenses, refer to the *RUCKUS One Subscriptions Licensing Guide*.

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