



How to setup Matter on EAP111/EAP112

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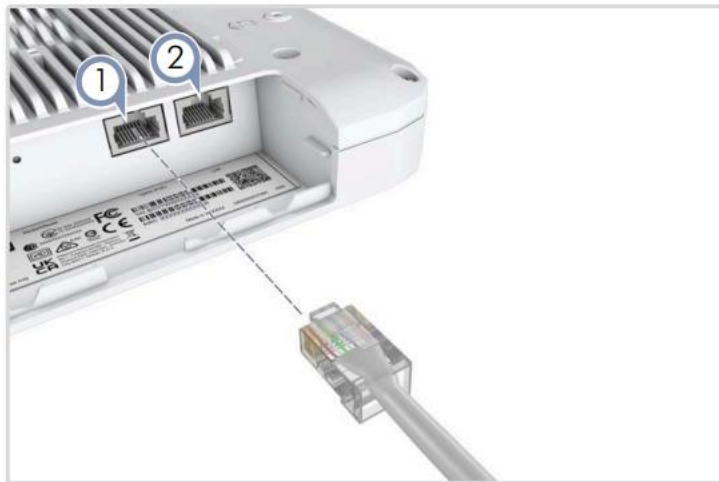
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1 How to Onboarding Matter on EAP111/EAP112

1.1 Prepare a EAP111/EAP112

1. Connect Cables

A. Connect LAN Cable



- a. Connect Category 5e or better cable to the Uplink (PoE) 1000BASE-T
- b. (Optional) Connect a local LAN switch or computer to the LAN 1000BASE-T RJ-45 port.

B. (Optional) Connect AC Power Adapter



When not connected to a PoE source, connect the AC power adapter to the DC power jack on the AP and then plug the adapter into a nearby AC power source.

2. Check the System LED



When operating normally, the System LED should be on green. Blinking indicates the device is booting up. Connect to the Web User Interface

A. Connect a PC directly to the AP's LAN port.

B. Set the PC IP address to be on the same subnet as the AP LAN port default IP address. (The PC address must start 192.168.2.x with subnet mask 255.255.255.0.)

C. Enter the AP's default IP address of 192.168.2.1 into the web browser address bar.

3. Upgrade Firmware

Kindly refer to below link to download the latest available firmware (12.6.7):

EAP111

<https://support.edge-core.com/hc/en-us/articles/42630960447641-EAP111-EAP111e>

EAP112

<https://support.edge-core.com/hc/en-us/articles/42631001211417-EAP112>

1.2 Prepare Matter device

1. Goodway Human Detection Sensor

Connect USB-C and AC Power Adapter



2. Smart Wi-Fi Plug Sensor

- Plug into the outlet



- LED Light Plug into the Smart Wi-Fi Plug Sensor.

You can choose one of the following two ways to Plug into the Smart Wi-Fi Plug Sensor.

- 1 USB-A charger adapter + USB LED light

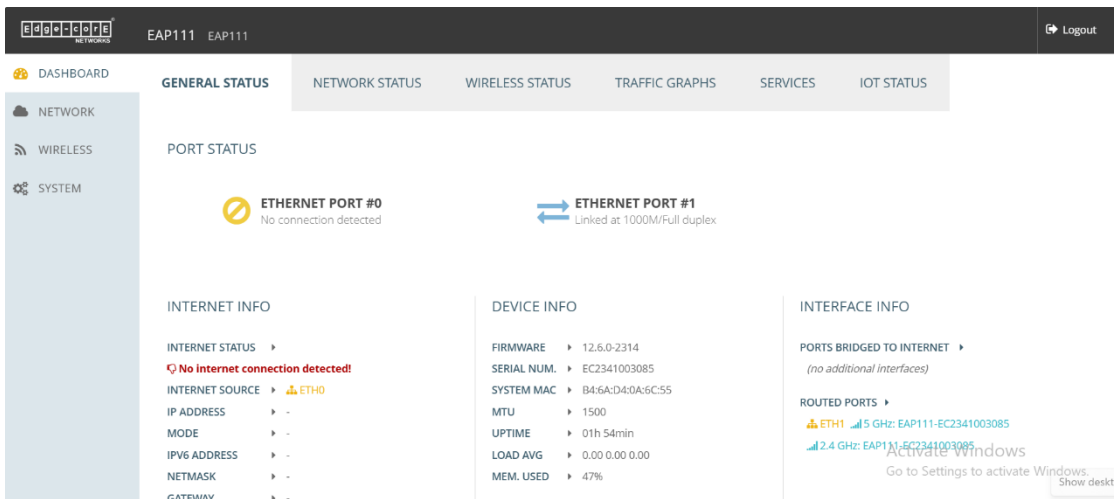
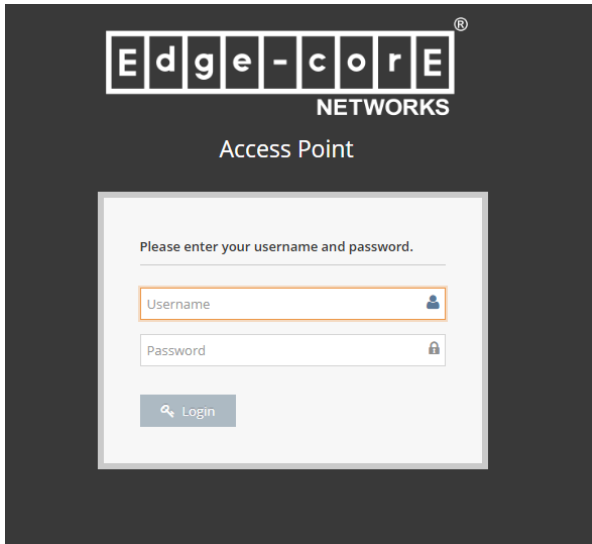


- 2 LED Light with plug



1.3 Onboarding Matter on EAP111/EAP112

Step1: Login EAP111/EAP112



The image shows the dashboard for an Edge-core NETWORKS EAP111 EAP111 device. The top navigation bar includes the logo, the device name 'EAP111 EAP111', and a 'Logout' button. The main content area is divided into several sections:

- GENERAL STATUS**: Includes 'PORT STATUS' with two Ethernet ports. 'ETHERNET PORT #0' shows 'No connection detected', and 'ETHERNET PORT #1' shows 'Linked at 1000M/Full duplex'.
- INTERNET INFO**: Shows 'INTERNET STATUS' as 'No internet connection detected!' and 'INTERNET SOURCE' as 'ETH0'.
- DEVICE INFO**: Lists system details such as 'FIRMWARE' (12.6.0-2314), 'SERIAL NUM.' (EC2341003085), 'SYSTEM MAC' (B4:6A:D4:0A:6C:55), 'MTU' (1500), 'UPTIME' (01h 54min), 'LOAD AVG' (0.00 0.00 0.00), and 'MEM. USED' (47%).
- INTERFACE INFO**: Shows 'PORTS BRIDGED TO INTERNET' (no additional interfaces) and 'ROUTED PORTS' (ETH1: 5 GHz: EAP111-EC2341003085, 2.4 GHz: EAP111-EC2341003085).

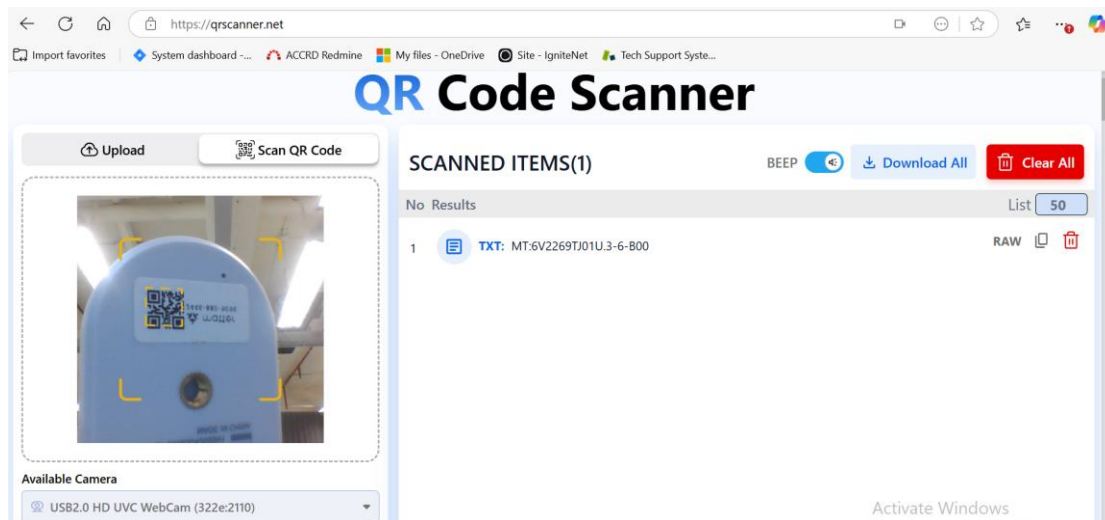
An 'Activate Windows' watermark is visible in the bottom right corner of the dashboard.

Step2. Get Matter QR code string.

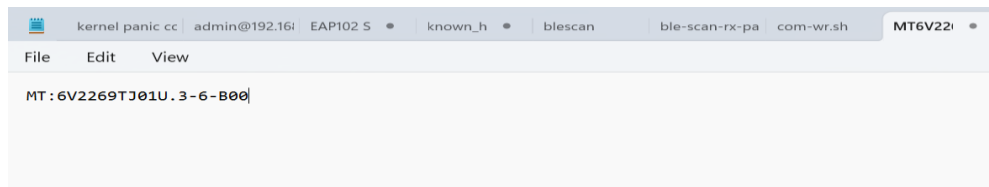
A. Open Browser and go to QR code scanner website.

<https://qrscanner.net/>

B. Enable PC camera and get Matter (Goodway Human Detection Sensor and Smart Wi-Fi Plug Sensor) QR code string.



C. Copy QR code string to Notepad.

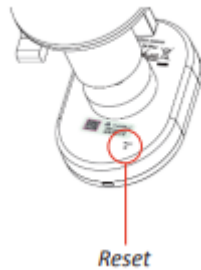


Step3: Add Matter Device to EAP111/EAP112

- A. Go to dashboard > IOT Status
- B. Click + Add new button
- C. Before adding the Matter device, please make sure to reset it.

Goodway Human Detection Sensor

- Press and hold the button for more than 6 seconds. The green LED will blink on successful reset. The sensor will restore to the factory default value and enter paring mode.

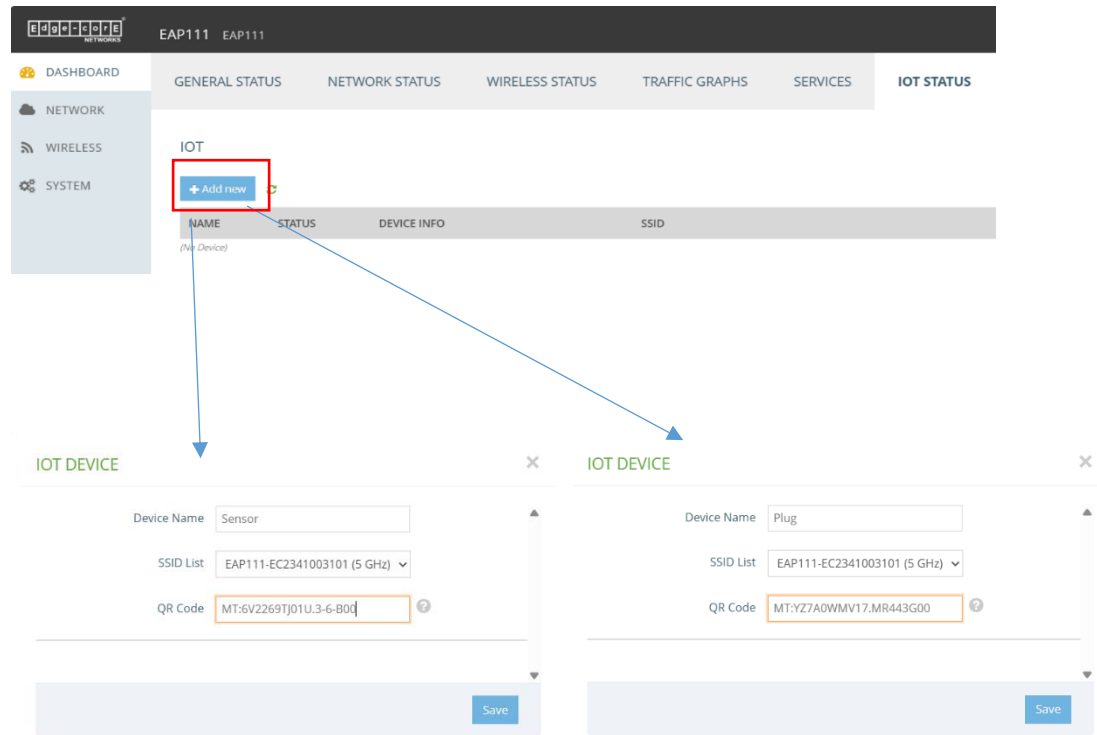


Smart Wi-Fi Plug Sensor

- To reset the plug, press and hold the button for 10 seconds to perform a factory reset and enter paring mode.



- D. Fill in device name field, select SSID List and paste QR code string from Notepad
- E. After fill in all of items, please click Save
- F. EAP111/EAP112 will pair the matter device



Step4: After pairing successfully, the Matter device has been added to the list.

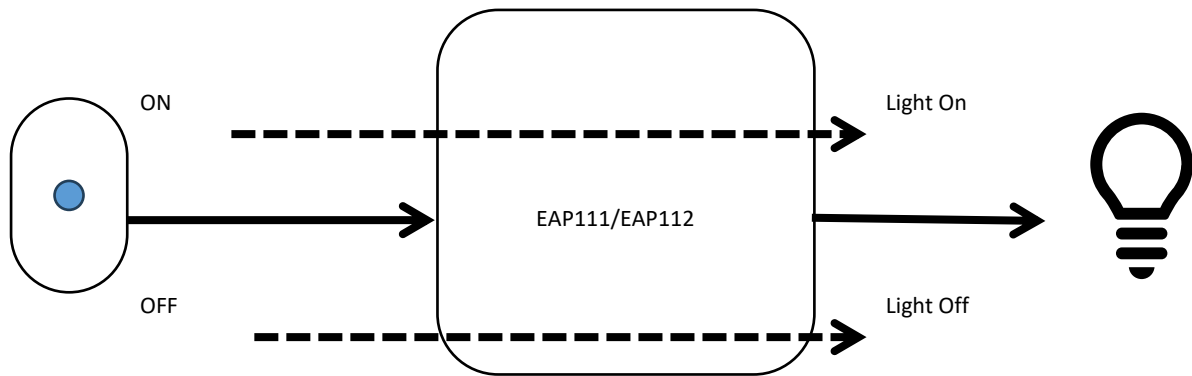


2 Matter Demo Scenario

2.1 Basic Configuration

Connect the sensor and the light as follows:

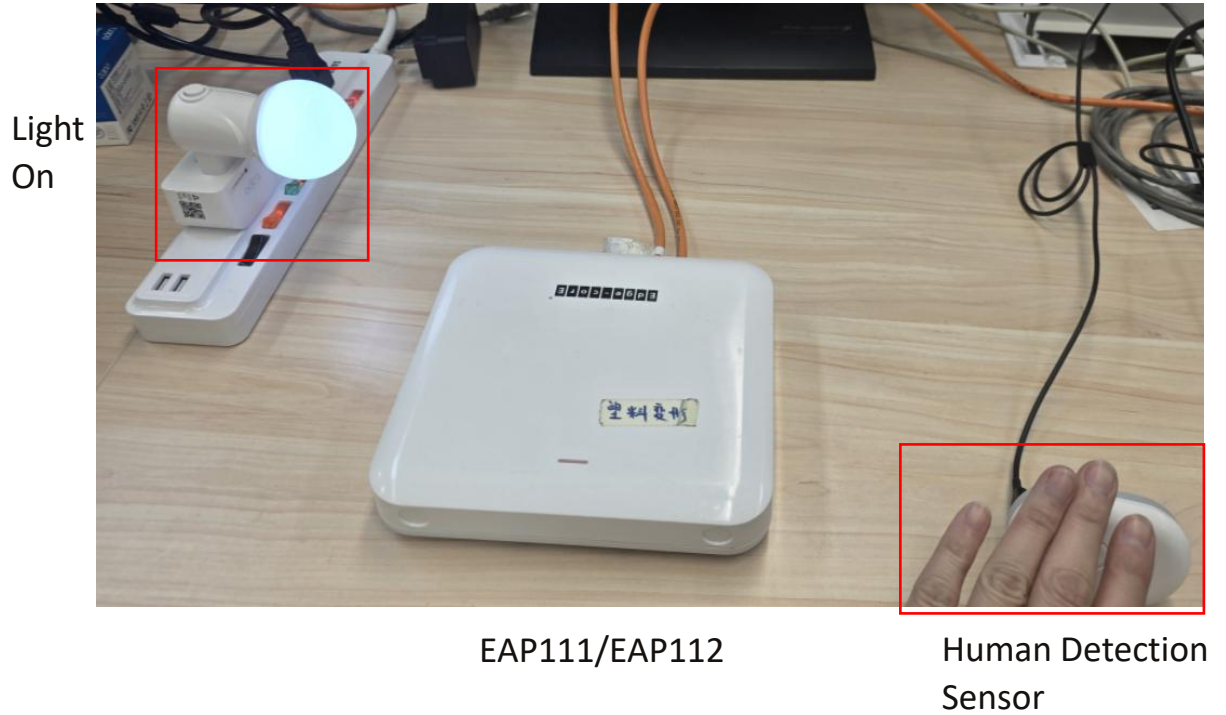
- 1 When GoodWay's sensor detects a human body, it turns the light on.
- 2 When the human body is no longer present, it turns the light off.



2.2 Matter Demo on EAP111/EAP112

We connected the sensor and the Plug+ light. The scenario is as follows:

- 1 When the GoodWay sensor detects human presence for approximately 5 seconds, it sends "Occupancy: Detected" via the EAP111/EAP112, which triggers the smart plug to switch to Power: On and turns on the light.



- When no human presence is detected for approximately 3 seconds, the sensor sends "Occupancy: None" via the EAP111/EAP112, which triggers the smart plug to switch to Power: Off and turns off the light.



EAP111/EAP112

Human Detection
Sensor