

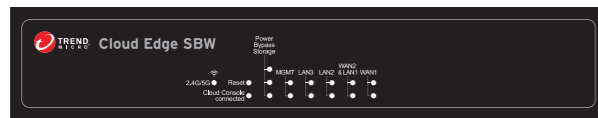
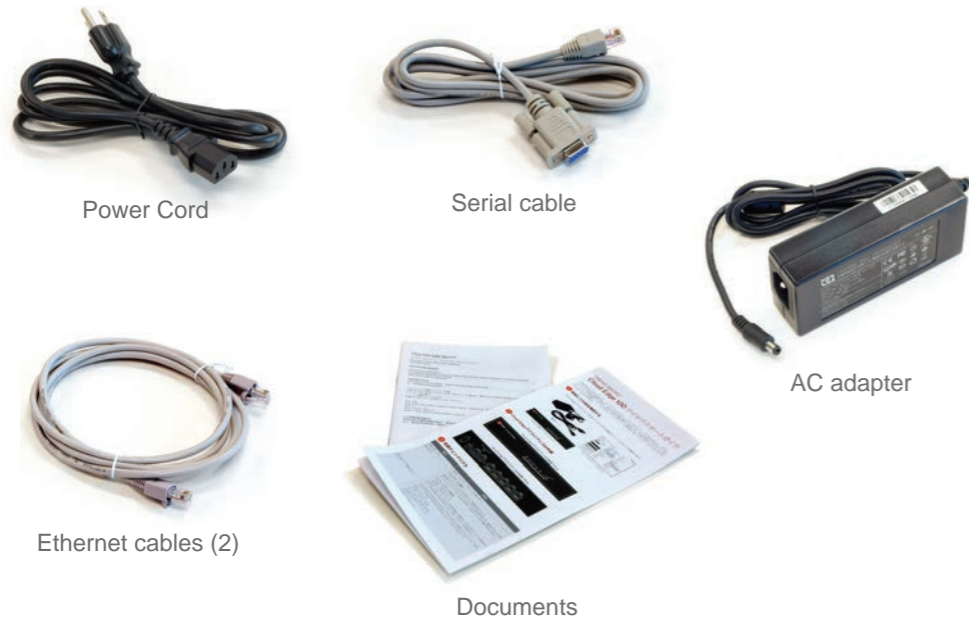
# TREND MICRO™ Cloud Edge SBW Quick Start Card *Routing Mode/Bridge Mode*



Trend Micro Cloud Edge is a next generation security solution for MSPs (Managed Service Provider) that combines on-premises and cloud-based security features. Deploy your Cloud Edge gateways on-premises and the MSP can remotely manage your network through the cloud.

## 1 Opening and Inspecting the Carton

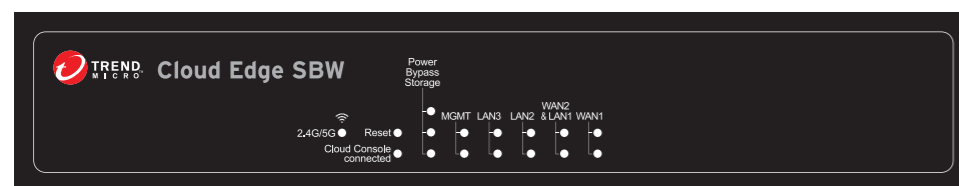
Verify that the Cloud Edge gateway carton contains the following items:



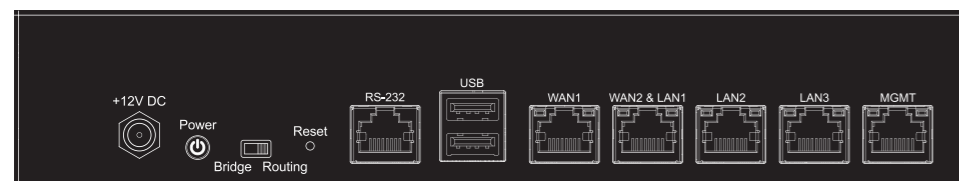
Cloud Edge Gateway

## 2 Examining the Cloud Edge Gateway

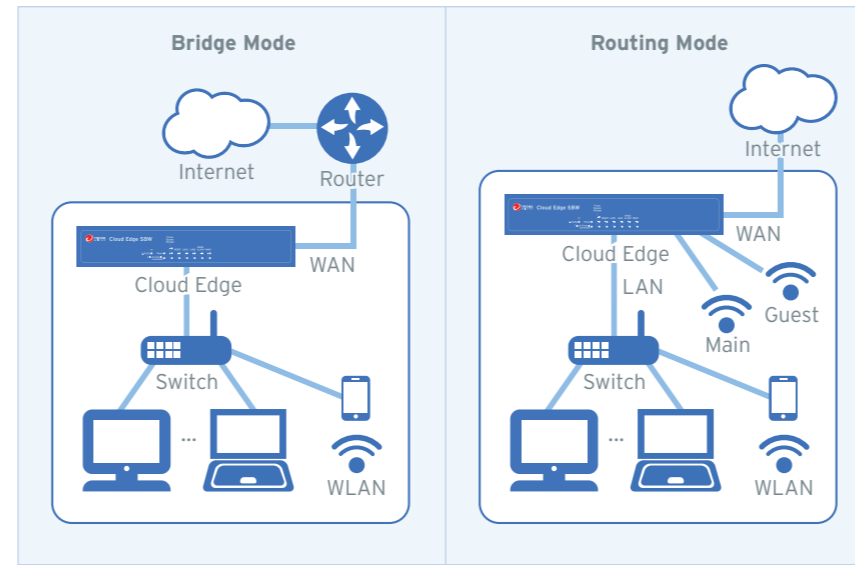
Cloud Edge Gateway Front Panel



Cloud Edge Gateway Back Panel



## 3 Deployment Modes



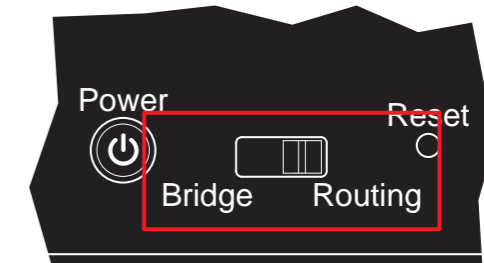
Mode	Description
Bridge	The Cloud Edge gateway acts as a transparent layer 2 device, providing scan and threat protection without interrupting traffic flow. Bridge Mode does not require client, router, or switch modifications.
Routing	The Cloud Edge gateway is visible on the network and acts as a layer 3 routing device with traffic scanning and control capabilities. You can configure the main wireless network during initial configuration and the guest wireless network after completing the initial deployment.

## 4 Deployment Checklist

Requirement	Details
Ethernet cables (3 cables)	Connect to the MGMT port (management) and the WAN and LAN1 data ports.
IP addresses (1-2 addresses)	<p>Bridge Mode:</p> <ul style="list-style-type: none"> <li>Obtain information for one internal address, either DHCP or static (IP address, netmask, and gateway).</li> </ul> <p>Routing Mode:</p> <ul style="list-style-type: none"> <li>Obtain the information about connecting to the WAN from your Internet Service Provider (ISP): DHCP, Static, or PPPoE.</li> <li>Obtain IP address information for the LAN1 connection (DHCP or Static).</li> <li>Obtain IP address information for the main wireless network (Static only).</li> </ul>
DNS settings	<p>Bridge Mode:</p> <ul style="list-style-type: none"> <li>Your network DNS server IP addresses.</li> </ul> <p>Routing Mode:</p> <ul style="list-style-type: none"> <li>Use either automatic DNS settings assigned by the ISP's DHCP or obtain your network DNS server IP addresses.</li> </ul>
Laptop with Ethernet port	A computer that has the following software installed: <ul style="list-style-type: none"> <li>Adobe™ Flash™ 10 or later</li> <li>Supported web browser <ul style="list-style-type: none"> <li>Firefox™ 61 or later</li> <li>Google™ Chrome 68 or later</li> <li>Internet Explorer™ 10-11</li> </ul> </li> </ul>

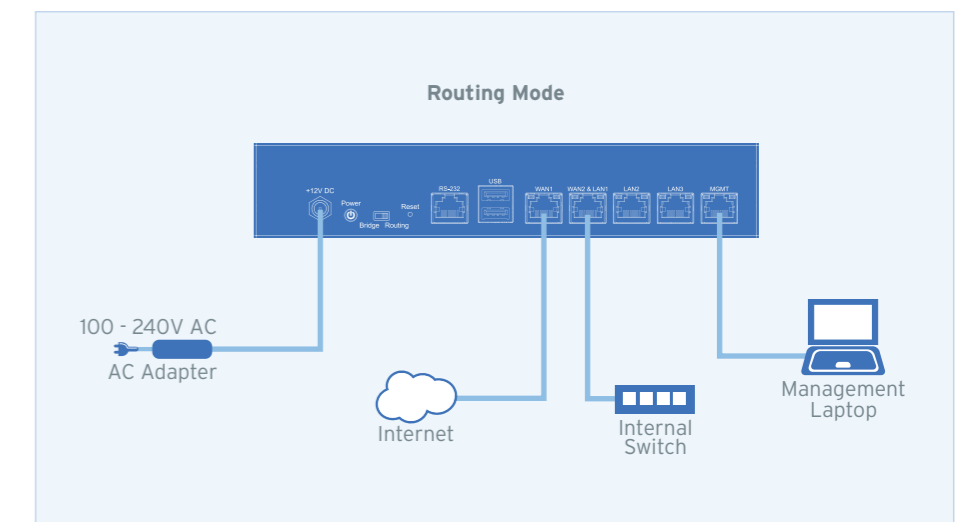
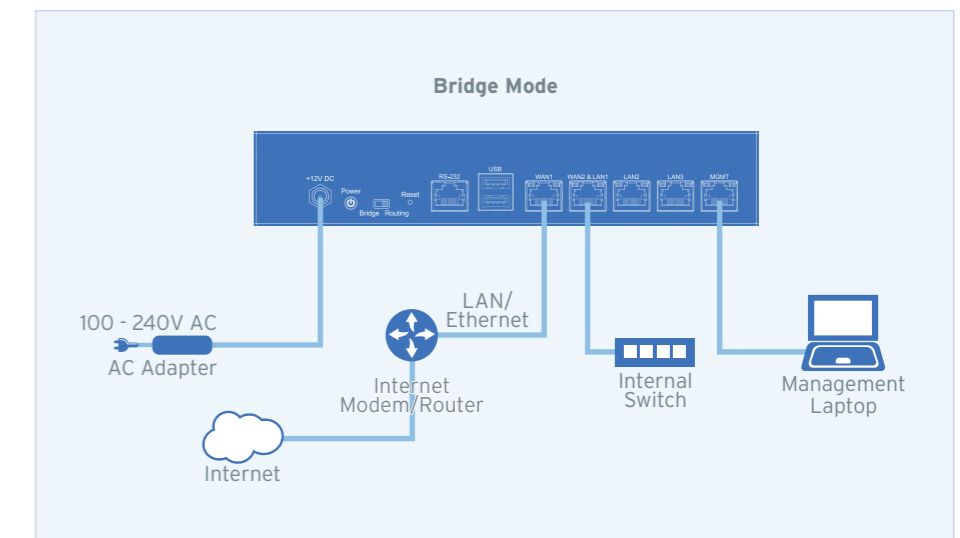
## 5 Setting up the Hardware

1. Toggle the switch on the back panel as needed.
2. Connect the Cloud Edge gateway to a power source.
3. Power on the Cloud Edge gateway.



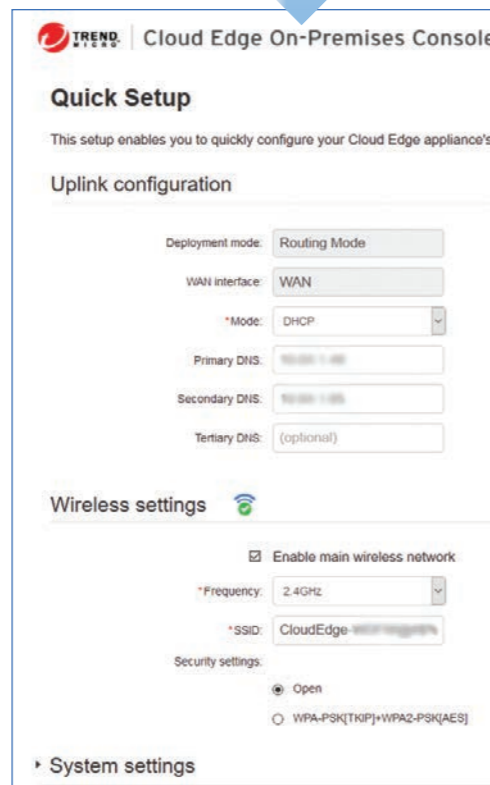
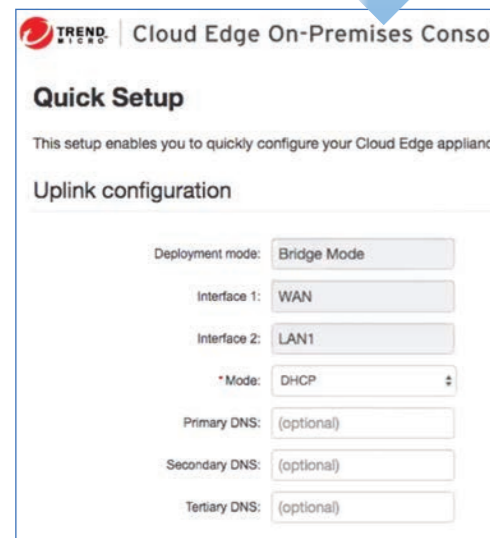
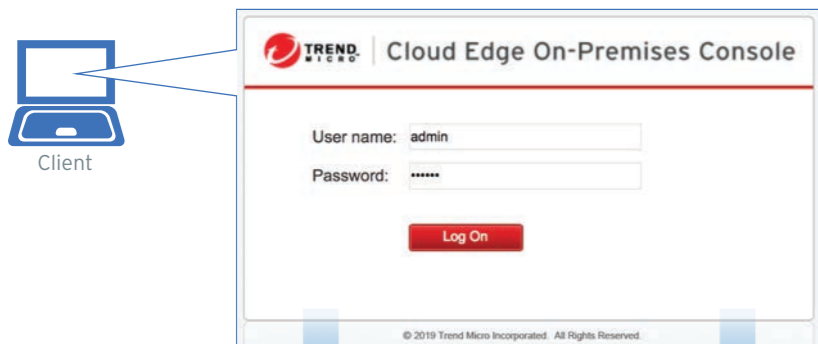
## 6 Connecting to the Network

1. Connect the WAN port to a wide area network (i.e. Internet).
2. Connect the LAN1 port to a switch on your internal network.



## 7 Logging on the Web Console

1. Connect computer to the Cloud Edge gateway **MGMT** port.
2. Open a supported web browser.
3. Go to the following URL: <https://192.168.252.1:8443/>
4. Specify the logon credentials.
  - **User name:** admin
  - **Password:** adminCloudEdge
5. Press **Enter** or click **Log On**.



## 8 Performing the Initial Configuration

After logging on for the first time, the Quick Setup screen opens automatically.

### Bridge Mode

1. In the **Uplink configuration** section, specify information for br0.
  - **DHCP**
  - **Static:** Specify IPv4 address, netmask, and gateway.

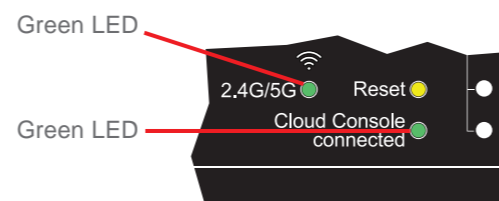
2. Specify DNS server IP addresses (if not assigned by DHCP).
3. Under **System settings** section:
  - a. Specify a FQDN in the **Host name** field.
  - b. Configure time settings.
    - **Automatically:** Select **Enable NTP server** and enter the NTP server IP address.
    - **Manually:** Select **Manually set time** and enter time in the **Local time** field.
4. Click **Start Configuration Test** to verify and then click **Save & Register**.

### Routing Mode

1. In the **Uplink configuration** section, specify information for the WAN interface.
  - **DHCP**
  - **PPPoE:** Specify user name and password.
  - **Static:** Specify IPv4 address, netmask, and gateway.
2. Specify DNS server IP addresses (if not assigned by DHCP or PPPoE).
3. Under the **Wireless settings** section:
  - a. Select **Enable main wireless network**.
  - b. Configure wireless settings:
    - **Frequency:** Specify **2.4GHz** or **5GHz**.
    - **SSID:** Specify the SSID.  
The default value is CloudEdge-XXYY where XXYY is the first four digits of the gateway's serial number.
  - c. Configure the **Security settings**:
    - **Open**
    - **WPA-PSK[TKIP]+WPA2-psk[AES]:** Specify **Pre-shared key**.
4. Under **System settings** section:
  - a. Specify a FQDN in the **Host name** field.
  - b. Configure time settings.
    - **Automatically:** Select **Enable NTP server** and enter the NTP server IP address.
    - **Manually:** Select **Manually set time** and enter time in the **Local time** field.
5. Click **Start Configuration Test** to verify and then click **Save & Register**.
6. Click on the **Cloud Edge On-Premises Console** link.
7. Go to **Network** → **Interfaces**.
8. Click the LAN1 interface, select L3 type, and configure IP address settings.
  - **DHCP**
  - **Static:** Specify IPv4 address, netmask, and optionally, a gateway.
9. Click **Apply**.

## 9 Verifying Connectivity

The Green LEDs (Light-Emitting Diodes) on the front panel shows the deployment status.



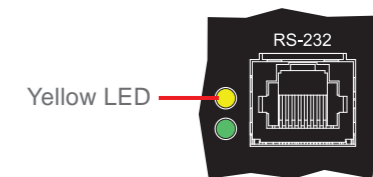
2.4G/5G LED	Status
No light	The wireless network is disabled.
Solid green light	The wireless network is enabled.
Blinking green light	The wireless network is enabled and there is wireless traffic.

Cloud Console LED	Status
No light	The Cloud Edge gateway cannot communicate with the Internet.
Solid green light	The Cloud Edge gateway is registered and communicating with Cloud Edge Cloud Console.
Blinking green light	The Cloud Edge gateway is not registered or cannot communicate with Cloud Edge Cloud Console. Contact your managed service provider for assistance.

## 10 Restoring Factory Settings

Restore the Cloud Edge gateway to factory settings to reconfigure your network settings or to decommission hardware. The yellow LED (Light-Emitting Diode) on the back panel shows the factory settings restore status.

1. Power off the Cloud Edge gateway.
2. Press and hold the reset button located on the back panel.
3. Power back on the Cloud Edge gateway.
4. Release the reset button when the yellow LED starts to blink. The yellow LED blinks for 2 minutes and then the gateway restarts.



## 11 Cautions

1. Lithium Battery Caution
  - There is risk of explosion if the battery is replaced by an incorrect type.
  - Dispose of used batteries according to the instructions.
  - Installation should be performed only by a skilled person who knows all installation and device specifications which are to be applied.
  - Do not carry by the handle of power supplies when moving to another place.
  - Please conform to your local laws and regulations regarding safe disposal of lithium BATTERY.
  - Disposal of a battery into a fire or a hot oven, or mechanically crushing or cutting of a battery can result in an explosion.
  - Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
  - A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
2. Grounding Caution
 

This equipment must be grounded and the power cord for product should be connected to a socket outlet with a grounded connection.

## 12 Contact Information

- Website: <http://www.trendmicro.com>
- List of worldwide offices and phone numbers: <http://www.trendmicro.com/us/about-us/contact/index.html>