

Calix GigaCenter 844E-1

Calix GigaCenter 844E-1 Wireless Router Modem User Manual

Model: GigaCenter 844E-1 | Brand: Calix

1. INTRODUCTION AND OVERVIEW

The Calix GigaCenter 844E-1 is a high-performance wireless router and modem designed to provide robust and reliable internet connectivity for home and small office environments. It supports dual-band Wi-Fi (2.4GHz and 5GHz) for optimal wireless performance and includes multiple Ethernet ports for wired connections. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your GigaCenter 844E-1 device.

2. PRODUCT FEATURES

- **Dual-Band Wi-Fi:** Supports 2.4GHz and 5GHz frequencies for flexible and high-speed wireless connections (802.11ac, 802.11n, 802.11a/g/b compatible).
- **High LAN Data Rate:** Capable of up to 1000 Mbps for fast wired connections.
- **Multiple Ports:** Includes Ethernet (RJ-45) ports (4 LAN ports), USB 2.0, and RJ-11 ports for versatile connectivity.
- **Integrated Modem:** Functions as both a router and a modem, simplifying network setup.
- **Compact Design:** Designed for efficient space utilization.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Calix GigaCenter 844E-1 Wireless Router Modem
- AC Adapter Power Supply
- (Optional: Ethernet Cable, Phone Cable - may vary by package)

4. SETUP GUIDE

Follow these steps to set up your Calix GigaCenter 844E-1:

1. **Positioning the Device:** Place the GigaCenter 844E-1 in a central location in your home, away from obstructions and sources of interference (e.g., microwaves, cordless phones). Ensure adequate ventilation.
2. **Connect Power:** Connect the provided AC Adapter Power Supply to the "POWER" port on the back of the GigaCenter 844E-1 and then plug the adapter into a standard electrical outlet. The Power indicator light on the front panel should illuminate.



Figure 4.1: Front view of the Calix GigaCenter 844E-1 showing indicator lights and the included power adapter.

3. **Connect to Internet Source:** Connect your internet service provider's (ISP) cable or fiber optic line to the appropriate WAN/Broadband port on the GigaCenter 844E-1. This port is typically labeled "ETH-WAN" or "Broadband". The Broadband indicator light should turn solid green once a connection is established.





Figure 4.2: Side view of the GigaCenter 844E-1 highlighting the ETH-WAN, Power, and Phone ports.

4. **Connect Wired Devices (Optional):** Use standard Ethernet cables to connect computers, gaming consoles, or other network devices to the "ETHERNET 1-4" ports on the back of the GigaCenter 844E-1. The corresponding Ethernet indicator light will illuminate when a device is connected and active.

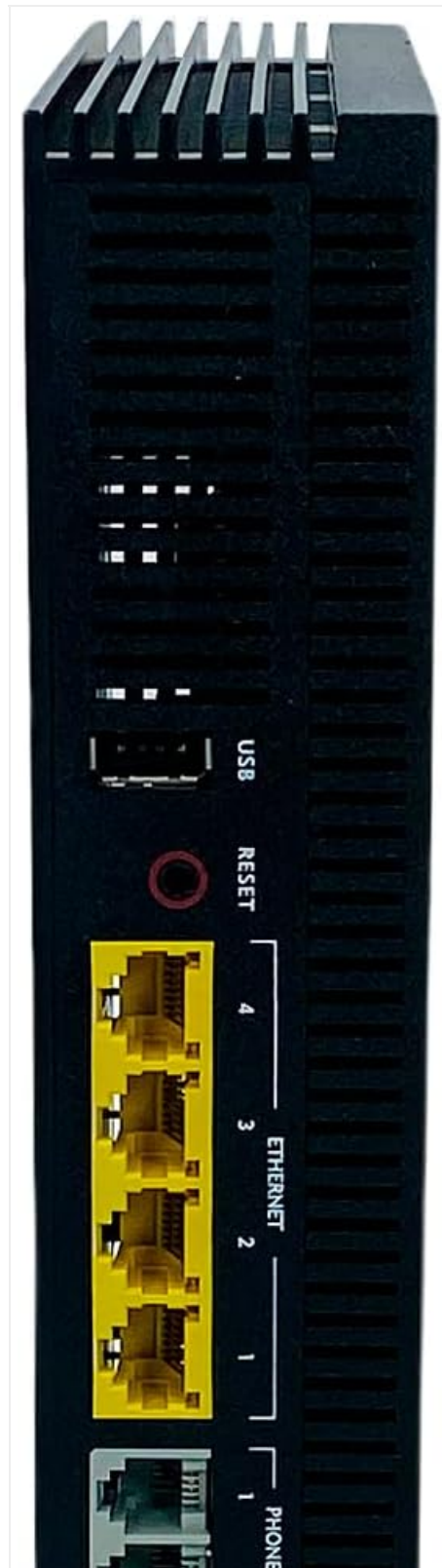




Figure 4.3: Top/back view of the GigaCenter 844E-1 displaying the USB, Reset, Ethernet (LAN), and Phone ports.

5. **Connect Phone Devices (Optional):** If your service includes voice, connect analog phones to the "PHONE 1" or "PHONE 2" ports using RJ-11 cables.

6. **Initial Wi-Fi Connection:**

- Locate the Wi-Fi Network Name (SSID) and Password (WPA Key) on the label usually found on the bottom or back of your GigaCenter 844E-1.
- On your wireless device (laptop, smartphone, tablet), search for available Wi-Fi networks.
- Select your GigaCenter's SSID and enter the WPA Key when prompted.



Figure 4.4: Detailed view of the bottom label, providing essential information such as model number, serial number, Wi-Fi SSID, and WPA Key for network access.

7. **Verify Connection:** Once connected, open a web browser and try to access a website (e.g., www.google.com). If successful, your GigaCenter 844E-1 is set up and ready for use.

5. OPERATING INSTRUCTIONS

5.1 Indicator Lights

The front panel of the GigaCenter 844E-1 features several indicator lights that provide status information:

Light	Status	Description
POWER	Solid Green	Device is powered on.
BROADBAND	Solid Green	Internet connection is active.
SERVICE	Solid Green	Service is active and provisioned.
WIFI 2.4 GHz	Solid Green/Flashing	2.4 GHz Wi-Fi is active/data transfer.
WIFI 5 GHz	Solid Green/Flashing	5 GHz Wi-Fi is active/data transfer.
ETHERNET 1-4	Solid Green/Flashing	Wired connection active/data transfer.
PHONE 1-2	Solid Green/Flashing	Phone service active/in use.
USB	Solid Green/Flashing	USB device connected/data transfer.
WPS	Flashing	WPS pairing in progress.

5.2 Accessing the Web Interface

To configure advanced settings, you can access the GigaCenter's web interface:

1. Ensure your device is connected to the GigaCenter via Wi-Fi or Ethernet.
2. Open a web browser and enter the IP Address (e.g., **192.168.1.1**) found on the product label into the address bar.
3. Enter the User/Password (e.g., **admin/e0c64b05**) from the product label when prompted.
4. You can now configure settings such as Wi-Fi name, password, port forwarding, and parental controls.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the device's ventilation slots are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check with your Internet Service Provider (ISP) for available firmware updates to ensure optimal performance and security.
- **Restarting:** If you experience connectivity issues, try restarting the device by unplugging the power adapter for 10 seconds and then plugging it back in.

7. TROUBLESHOOTING

This section addresses common issues you might encounter:

7.1 No Internet Connection

- **Check Cables:** Ensure all cables (power, internet source, Ethernet) are securely connected.
- **Indicator Lights:** Verify that the POWER, BROADBAND, and SERVICE lights are solid green. If not, refer to Section 5.1 or contact your ISP.
- **Restart Device:** Power cycle the GigaCenter 844E-1 by unplugging it for 10 seconds and plugging it back in.
- **ISP Outage:** Check with your ISP for any service outages in your area.

7.2 Wi-Fi Not Working or Slow

- **Wi-Fi Lights:** Ensure the WIFI 2.4 GHz and/or WIFI 5 GHz lights are solid green.
- **Password:** Double-check that you are entering the correct Wi-Fi password (WPA Key).
- **Signal Strength:** Move closer to the GigaCenter 844E-1 to improve signal strength.
- **Interference:** Reduce interference from other electronic devices.
- **Channel Optimization:** Access the web interface to change Wi-Fi channels if experiencing congestion.

7.3 Cannot Access Web Interface

- **IP Address:** Confirm you are using the correct IP Address (e.g., 192.168.1.1).
- **Connection:** Ensure your device is connected to the GigaCenter’s network.
- **Credentials:** Verify the User/Password from the product label.
- **Firewall/Antivirus:** Temporarily disable any firewall or antivirus software on your computer that might be blocking access.

7.4 WPS Functionality

The WPS (Wi-Fi Protected Setup) button allows for easy connection of WPS-compatible devices without manually entering the password. Press the WPS button on the GigaCenter 844E-1 and then activate WPS on your client device within two minutes. The WPS light will flash during the pairing process.

8. SPECIFICATIONS

Feature	Detail
Model	GigaCenter 844E-1 (100-04015 13)
Brand	Calix
Connectivity Technology	Wireless-Wi-Fi 802.11ac, Ethernet (RJ-45) Hub/Switch, 5G
Wireless Standards	802.11ac, 802.11n, 802.11a/g/b
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Maximum LAN Data Rate	1000 Mbps
Ports	4 x Ethernet (RJ-45), 1 x USB 2.0, 2 x RJ-11 (Phone)
Compatible Devices	Personal Computer, Network Devices
Recommended Use	Home
Included Components	Power Supply

Feature	Detail
Item Weight	3 pounds

9. SAFETY INFORMATION


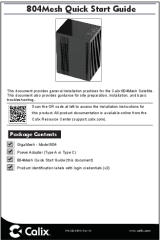
- Do not expose the device to water or moisture.
- Do not open the device casing. Refer all servicing to qualified personnel.
- Use only the provided power adapter.
- Keep the device away from heat sources and direct sunlight.
- Ensure proper ventilation to prevent overheating.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please contact your Internet Service Provider (ISP) or the vendor from whom you purchased this device. The Calix GigaCenter 844E-1 is typically provided and supported by your ISP as part of your internet service package.

For general inquiries or to find more information about Calix products, you may visit the official Calix website (if available, search online for "Calix official website").

Related Documents - GigaCenter 844E-1

	<p>Calix 844E GigaCenter User Guide: Setup and Configuration</p> <p>Comprehensive user guide for the Calix 844E GigaCenter home gateway. Learn about setup, 802.11ac Wi-Fi, MIMO, QoS, IPTV, IPv6, and management via the Embedded Web Interface (EWI).</p>
	<p>Calix 804Mesh Quick Start Guide</p> <p>This guide provides installation, setup, and troubleshooting information for the Calix 804Mesh Satellite, a dual Wi-Fi device designed to extend network coverage.</p>

<div data-bbox="245 114 288 134"></div> <div data-bbox="142 194 288 217">844G/854G GigaCenter Installation Guide</div> <div data-bbox="258 246 288 255"><small>December 2014</small></div> <div data-bbox="250 268 288 277"><small>844G/854G Rev. 11</small></div>	<div data-bbox="341 145 884 174">Calix 844G/854G GigaCenter Installation Guide</div> <div data-bbox="341 185 1476 295"><p>This installation guide provides detailed instructions for mounting and setting up the Calix 844G and 854G GigaCenter, covering tabletop and wall-mount configurations, power options including UPS, and essential safety precautions for home and business network installations.</p></div>
<div data-bbox="121 383 309 631"></div>	<div data-bbox="341 535 1058 564">GigaSpire U6 Router Quick Start Guide: Setup and Connection</div> <div data-bbox="341 575 1460 645"><p>Learn how to set up your GigaSpire U6 Router with this quick start guide. Includes steps for power connection, internet setup, and status indicators from Tidewater Telecom and LCI.</p></div>
<div data-bbox="158 831 304 1122"></div>	<div data-bbox="341 907 1300 936">Operationalizing Calix Revenue Edge: GigaSpire Turn-Ups with Calix Support Cloud</div> <div data-bbox="341 947 1431 1057"><p>A step-by-step guide for operationalizing Calix Revenue Edge, detailing the process of repeated GigaSpire turn-ups using Calix Support Cloud. The guide covers initial setup, configuration, and subscriber management.</p></div>
<div data-bbox="121 1167 309 1413"></div>	<div data-bbox="341 1220 1342 1249">Calix DPx-R21.3.1 Release Notes: New Features, Enhancements, and Resolved Issues</div> <div data-bbox="341 1261 1473 1370"><p>This document details the new features, enhancements, and resolved issues in Calix DPx-R21.3.1, including support for various AXOS and ONT systems, provisioning capabilities, and interoperability with other Calix products. It also outlines known issues and troubleshooting tips.</p></div>