

CalDigit E5

CalDigit E5 Thunderbolt 5 Element 5 Hub Instruction Manual

Model: E5

1. INTRODUCTION

The CalDigit E5 Thunderbolt 5 Element 5 Hub is a compact and powerful connectivity solution designed to expand the capabilities of your computer. It provides multiple high-speed ports for data transfer, display connectivity, and power delivery, enhancing your workflow and desktop setup.

2. WHAT'S IN THE BOX

- 1 x Element 5 Hub
- 1 x Thunderbolt 5 Cable (0.8m)
- 4 x Rubber Feet Strips
- 1 x Power Supply (180W)
- 1 x Power Cord

3. SETUP

3.1 Connecting the Power Supply

Connect the provided 180W power supply to the DC In port (20V | 9A) on the rear of the Element 5 Hub. Plug the power cord into a wall outlet.

3.2 Connecting to Host Computer

Use the included Thunderbolt 5 cable to connect the Element 5 Hub to your computer's Thunderbolt 5,

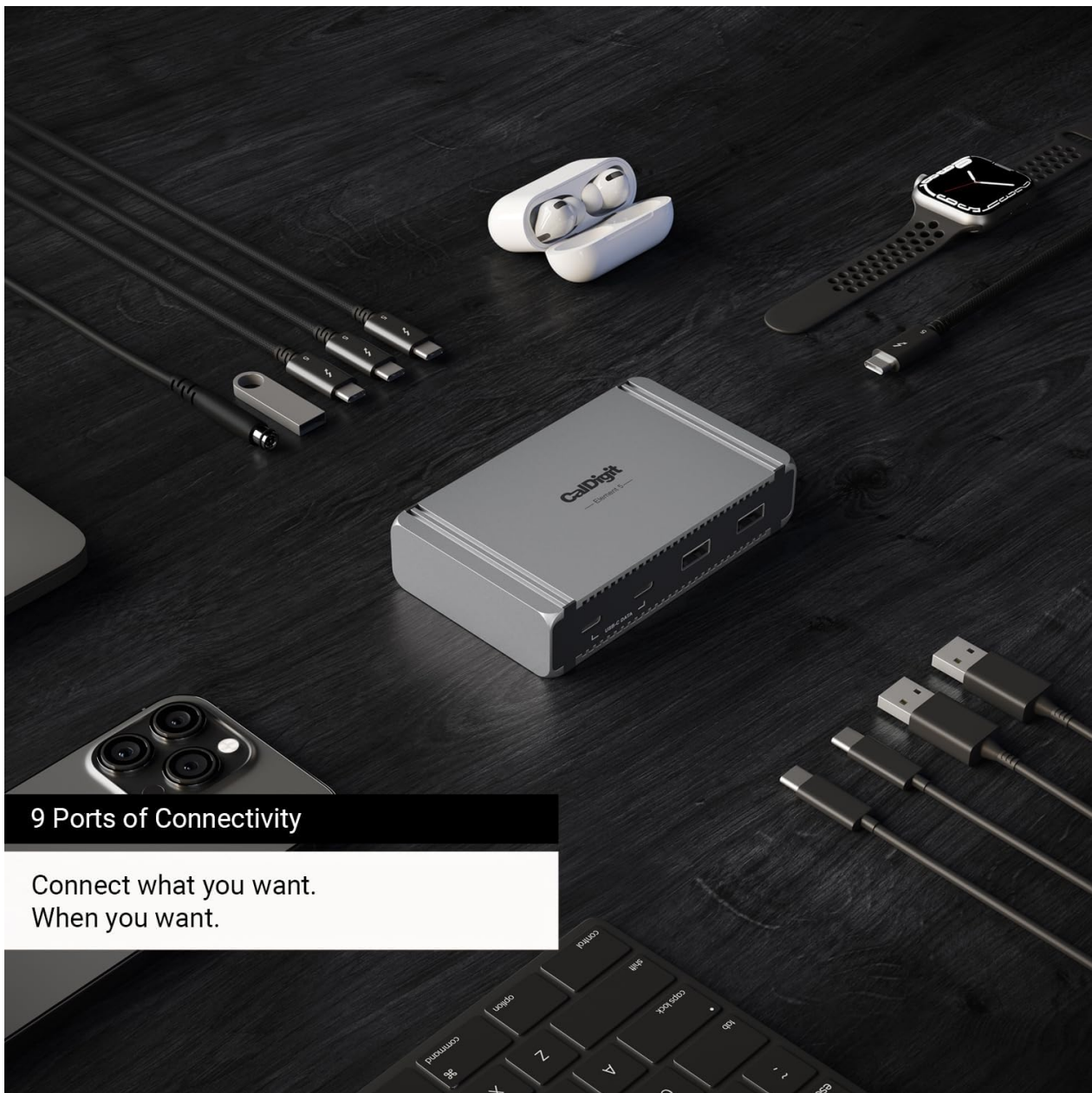
Thunderbolt 4, Thunderbolt 3, USB4, or USB-C port. The host port on the hub is located on the side and labeled 'Computer'.



Image: CalDigit E5 Thunderbolt 5 Element 5 Hub with various cables connected to its ports, showcasing its compact design and multiple connectivity options.

3.3 Connecting Peripherals

Connect your USB-A, USB-C, and additional Thunderbolt devices to the available ports on the Element 5 Hub. The hub features 4x Thunderbolt 5/USB4 v2 ports, 3x USB-A 10Gb/s ports, and 2x USB-C 10Gb/s ports.



9 Ports of Connectivity

Connect what you want.
When you want.

Image: The CalDigit E5 Hub connected to a laptop, with several cables extending to various peripherals, illustrating its role as a central connectivity point.

4. OPERATING

4.1 Port Overview

- **1 x Thunderbolt 5 Host Port:** Up to 120Gb/s bandwidth.
- **3 x Thunderbolt 5/USB4 v2 Ports:** 80Gb/s each, supporting 64Gb/s PCIe technology for ultra-fast SSDs (up to 6,200MB/s).
- **3 x USB-A Ports:** 10Gb/s data transfer.
- **2 x USB-C Ports:** 10Gb/s data transfer.



Image: Front view of the CalDigit E5 Hub, highlighting the USB-C and USB-A data ports available for connecting various peripherals.



Image: Rear view of the CalDigit E5 Hub, displaying the Thunderbolt 5 ports, an additional USB-A port, and the DC power input.

4.2 Performance and Bandwidth

The Element 5 Hub leverages Thunderbolt 5 technology to provide exceptional performance. It offers 80Gb/s bandwidth across its Thunderbolt 5 ports. When connecting bandwidth-intensive displays, the hub can enable **Bandwidth Boost**, allocating up to 120Gb/s for displays while reserving 40Gb/s for other devices. This feature requires a compatible Thunderbolt 5 Mac or PC.

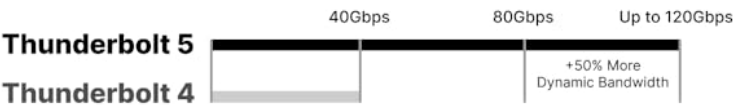


Image: A diagram illustrating the bandwidth capabilities of Thunderbolt 5 (up to 120Gbps with Boost Mode) compared to Thunderbolt 4 (40Gbps).

4.3 Display Support

The Element 5 Hub supports various display configurations depending on your host computer's capabilities:

- **macOS:** Connect up to dual 6K@60Hz or 8K@60Hz displays, or dual 4K@240Hz displays on Macs that support these resolutions. Note: Base M1-M3 Macs do not support dual external displays.
- **Windows:** Connect up to three 4K@144Hz displays on compatible Windows Thunderbolt 5 host computers. Triple displays are not supported on macOS, Thunderbolt 4/3, or USB-C PCs.



Image: A MacBook connected to the CalDigit E5 Hub, driving two external displays, demonstrating dual display support on macOS.

Triple Displays on Windows Thunderbolt 5

Connect up to 3 displays on compatible Windows Thunderbolt 5 host computers



*Apple M4 Thunderbolt 5 Macs do not support 3 displays via a Thunderbolt 5 connection. Thunderbolt 3 or 4 host computers do not support 3 displays.

Image: A Windows laptop connected to the CalDigit E5 Hub, driving three external displays, illustrating triple display support on compatible Windows systems.

	M4 Max MacBook	M4 Pro MacBook	M4 base, M2 / M3 Pro / Max MacBook	M1 Pro / Max MacBook	M1 / M2 / M3 MacBook	Thunderbolt iPad Pro	iPhone 15 / 16	TBT4 Windows PC	TBT5 Windows PC
4K 60Hz	✓	✓	✓	✓	✓	✓	✓	✓	✓
5K 60Hz	✓	✓	✓	✓	✓	✓		✓	✓
6K 60Hz	✓	✓	✓	✓	✓	✓		✓	✓
8K 60Hz	✓	✓	✓	✓				✓	✓
Dual 4K 60Hz	✓	✓	✓	✓				✓	✓
Dual 5K 60Hz *	✓	✓	✓	✓				✓	✓
Dual 6K 60Hz *	✓	✓	✓	✓				✓	✓
Dual 8K 60Hz *	✓								✓
Higher Refresh Rates - Single Monitor **									
4K Up to 144Hz	✓	✓	✓	✓	✓			✓	✓
4K Up to 240Hz	✓	✓	✓					✓	✓
3440x1440 Up to 240Hz	✓	✓	✓	✓	✓			✓	✓
2K Up to 240Hz	✓	✓	✓	✓	✓			✓	✓
2K Up to 480Hz	✓	✓	✓					✓	✓
1080p Up to 500Hz	✓	✓	✓	✓	✓			✓	✓
Higher Refresh Rates - Multiple Monitors **									
Dual 4K 144Hz	✓	✓							✓
Dual 4K 240Hz	✓								✓
Dual 2K 240Hz	✓	✓	✓	✓				✓	✓
Dual 2K 480Hz	✓								
Dual 1080p 500Hz	✓								✓
Triple 4K 144Hz									✓

Image: A detailed chart outlining display compatibility, resolutions, and refresh rates for the CalDigit E5 Hub across different Mac (M1-M4) and Windows (Thunderbolt 4/5) computer models.

4.4 Power Delivery

The Element 5 Hub provides up to 90W of sustained power delivery to your host laptop, tablet, or phone. Each downstream Thunderbolt 5/USB4 v2 port provides 15W (5V/3A), and each USB-A/USB-C port provides 7.5W (5V/1.5A). The hub also supports Offline Charging, allowing you to charge devices even when not connected to a host computer.

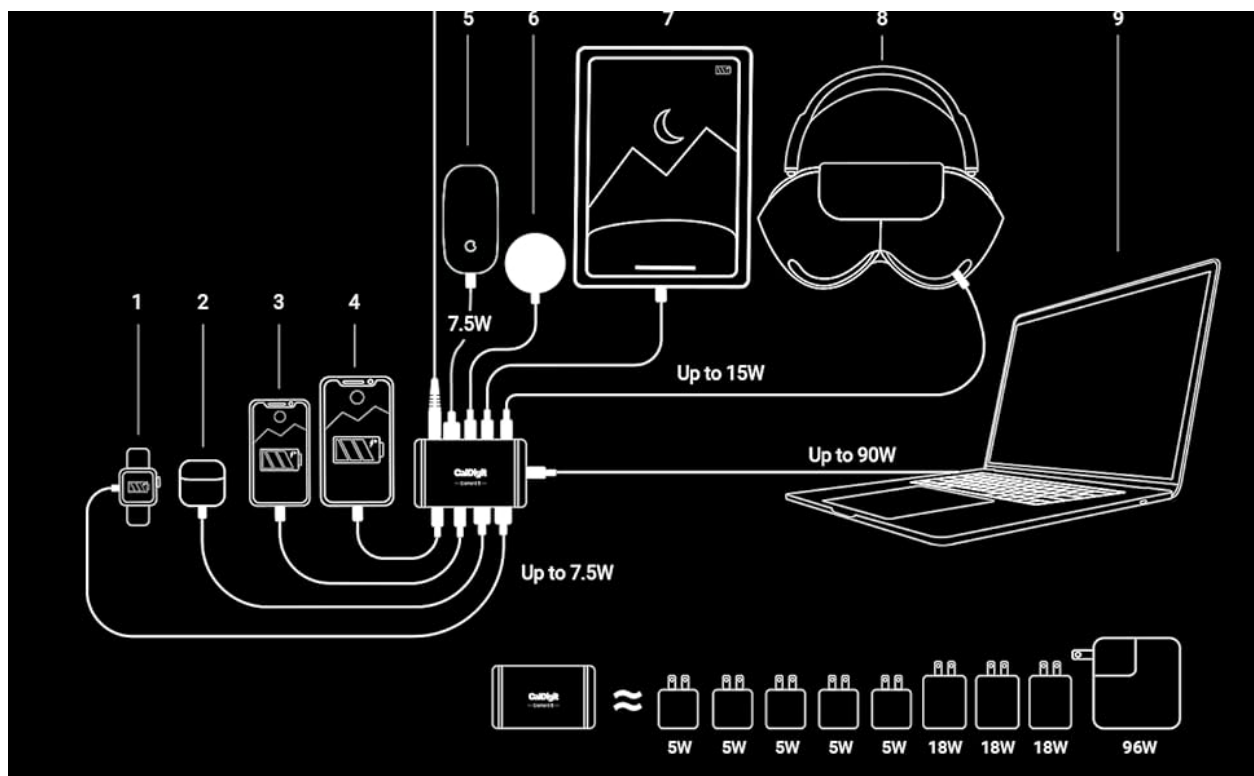


Image: A diagram showing the power distribution from the CalDigit E5 Hub to various connected devices, including a laptop, iPad, iPhone, and other USB accessories.

4.5 Compatibility

The Element 5 Hub is compatible with a wide range of devices:

- macOS 15 or later
- Windows 11 or later
- iPadOS
- Chrome OS
- Thunderbolt 5, 4, and 3 (Mac) computers
- USB-C (USB4, USB4 v2) computers, tablets, and phones
- Thunderbolt/USB4 iPads
- USB-C Chromebooks

**Thunderbolt 5 or USB4 v2 is required for unrestricted functionality of the Element 5 Hub.*



Image: The CalDigit E5 Hub connected to an iPad Pro, demonstrating its compatibility with tablets for expanded connectivity.

5. MAINTENANCE

To ensure optimal performance and longevity of your CalDigit E5 Hub, keep it in a well-ventilated area to prevent overheating. Regularly check for firmware updates from the official CalDigit website to maintain compatibility and performance.

6. TROUBLESHOOTING

If you experience issues with device connectivity or power delivery, try the following:

- Ensure all cables are securely connected.
- Restart your host computer and the Element 5 Hub.
- Verify that your computer's drivers for Thunderbolt/USB are up to date.
- Check the CalDigit support website for specific troubleshooting guides or FAQs.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	4.5 x 2.75 x 1.12 inches (114 x 70 x 28.5 mm)
Item Weight	8.9 ounces (0.25 kg)
Number of Ports	9 (1x Host Thunderbolt 5, 3x Downstream Thunderbolt 5/USB4 v2, 3x USB-A 10Gb/s, 2x USB-C 10Gb/s)
Host Charging	Up to 90W
Downstream Thunderbolt 5/USB4 v2 Port Power	15W (5V/3A) each
USB-A/USB-C Port Power	7.5W (5V/1.5A) each
Power Supply	180W (20V 9A)
Hardware Interface	Thunderbolt 5, Thunderbolt 4, Thunderbolt 3, USB4, USB 3.1 Type A, USB 3.1 Type C, USB 3.2 Gen 2
Color	Space Gray

8. OFFICIAL PRODUCT VIDEOS

CalDigit Element 5 Thunderbolt Hub Review: Ports & Features

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Video: A comprehensive review of the CalDigit Element 5 Thunderbolt Hub, detailing its various ports, features, and overall functionality. This video provides an in-depth look at how the hub can enhance your computing experience.

Caldigit Element 5 Ports & Features

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Video: A concise overview of the CalDigit Element 5 Hub's ports and key features, ideal for a quick understanding of its capabilities and connectivity options.

Caldigit Thunderbolt 5 Docking Station Compared: TS5 E5 TS5+



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Video: A comparative analysis of CalDigit's Thunderbolt 5 docking stations, including the E5, TS5, and TS5+, helping users understand the differences and choose the best option for their needs.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official CalDigit website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Related Documents - E5

	<p>CalDigit Element 5 Hub: Thunderbolt 5 & USB4 v2 Universal Multiport Hub</p> <p>Explore the CalDigit Element 5 Hub, a versatile multiport solution featuring Thunderbolt 5 and USB4 v2. This guide covers its extensive port selection, high-speed connectivity, device compatibility, display support, usage instructions, and warranty information.</p>
	<p>CalDigit TS5 Thunderbolt™ Station 5:</p> <p>CalDigit TS5 Thunderbolt™ Station 5</p>

 TS5 Thunderbolt™ Station 5 	<p>CalDigit TS5 Thunderbolt Station 5: Setup, Compatibility, and Specifications</p> <p>Comprehensive guide to the CalDigit TS5 Thunderbolt Station 5, covering connection instructions, port details, compatibility with various devices and monitors, technical specifications, and important usage warnings.</p>
 TS5 Thunderbolt™ Station 5 	<p>CalDigit TS5 Thunderbolt™ Station 5:</p> <p>CalDigit TS5 Thunderbolt™ Station 5</p>
 TS5 Thunderbolt™ Station 5 	<p>CalDigit TS5 Thunderbolt Station 5: Docking Station with 140W Power Delivery & 80Gb/s Connectivity</p> <p>Explore the CalDigit TS5 Thunderbolt Station 5, a high-performance docking station offering extensive connectivity, 140W power delivery, and 80Gb/s Thunderbolt 5/USB4 speeds for Mac and Windows PCs. Features include multiple USB-C and USB-A ports, 2.5Gb Ethernet, and SD card reader.</p>
 TS5 Thunderbolt™ Station 5 	<p>CalDigit TS5 Thunderbolt Station 5: Advanced Connectivity Hub</p> <p>Discover the CalDigit TS5 Thunderbolt Station 5, a powerful docking solution offering extensive connectivity for Mac and Windows. Features Thunderbolt 5, USB4, multiple display support, high-speed data transfer, and 140W power delivery. Includes detailed specifications and setup guide.</p>