

Identify the ports on your Mac



MacBook Pro (15-inch, 2017): two Thunderbolt 3 (USB-C) ports on each side of the computer



Left side of MacBook Pro (Retina, 15-inch, Mid 2015): power, two Thunderbolt 2, USB-A, and Audio-out



Right side of MacBook Pro (Retina, 15-inch, Mid 2015): SD card slot, HDMI, and USB-A



MacBook Air (13-inch, Mid 2012 & 2014): 2 x USB 3 ports, 1 x Thunderbolt port, SD card slot, MagSafe power port

2010



2011



MacBook Pro (2010, 2011, 2012)

Identify the connector used by your cable

To find the right solution for your Mac, use these images to identify the connector on the end of the cable used by your device. Check the end that plugs into your Mac, not the end that plugs into your device.

Thunderbolt 3 (USB-C)



If you're using an [Apple Thunderbolt 3 \(USB-C\) cable](#) or other Thunderbolt 3 (USB-C) cable with your display or other device, it should work with your Mac without an adapter.

USB-C



If you're using a [Belkin USB-C to USB-C cable](#) or other USB-C cable with your display or other device, it should work with your Mac without an adapter.

DisplayPort



If you're using a DisplayPort cable with your display, use a third-party USB-C to DisplayPort adapter or cable, such as the [Moshi USB-C to DisplayPort Cable](#).

Thunderbolt or Thunderbolt 2



If you're using a Thunderbolt or Thunderbolt 2 cable with a Thunderbolt display or other device, use the [Apple Thunderbolt 3 \(USB-C\) to Thunderbolt 2 Adapter](#).

This is the correct solution for the [Apple Thunderbolt Display](#).

Thunderbolt and Thunderbolt 2 are not the same as Mini DisplayPort , though the ports have the same shape. If you're using a Thunderbolt or Thunderbolt 2 cable with a Mini DisplayPort display, this solution won't work.

Mini DisplayPort

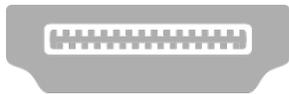


If you're using a Mini DisplayPort cable with a Mini DisplayPort display, use a third-party USB-C to Mini DisplayPort adapter. Check with its manufacturer for compatibility with your Mac and display model.

This is the correct solution for the [Apple LED Cinema Display](#).

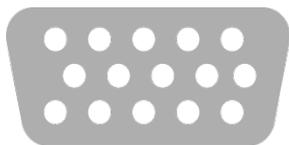
Mini DisplayPort is not the same as Thunderbolt or Thunderbolt 2 . They have the same shape, but use different symbols on the cable and port.

HDMI



If you're using an HDMI cable with your display, use the [Apple USB-C Digital AV Multiport Adapter](#) or a third-party USB-C to HDMI adapter or cable.

VGA



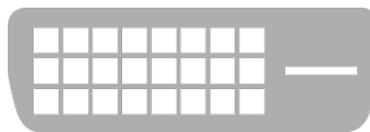
If you're using a VGA cable with your display, use the [Apple USB-C VGA Multiport Adapter](#). Or use a third-party USB-C to VGA adapter, such as the [Belkin USB-C to VGA Adapter](#).

Ethernet



If you're using an Ethernet cable with your device, use a third-party USB-C to Ethernet adapter, such as the [Belkin USB-C to Gigabit Ethernet Adapter](#).

DVI



If you're using a DVI cable with your display, use a third-party USB-C to DVI adapter or cable. Check with its manufacturer for compatibility with your Mac and display model.

This is the correct solution for the [Apple Cinema Display](#).

USB-A



If you're using a USB-A cable with your device, use the [Apple USB-C to USB Adapter](#).

To charge an iPhone, iPad, or iPod from a Thunderbolt 3 (USB-C) or USB-C port without this adapter, you can use the [Apple USB-C to Lightning Cable](#) instead.

Notes:

SD card: [Use the SD card slot](#) with SD, SDHC, SDXC, MMC, and UHS-II media cards, such as those used by digital cameras.

Audio: Use Audio-Out— or —with headphones, speakers, and other audio-output devices that connect using an audio cable that has a 3.5mm (1/8 inch) audio jack.

Use Audio-In  with a microphone or other audio-input device that connect using an audio cable that has a 3.5 mm (1/8 inch) audio jack.

Power

Use the power port , if available, to connect your computer to AC power using a MagSafe cable or adapter. This port isn't available on newer Mac notebook computers, which use [Thunderbolt 3 \(USB-C\)](#) or [USB-C](#) for power and charging.