Thunderbolt 3 to USB 3.1 Controller Adapter - 1x USB-C, 3x USB-A

Product ID: TB33A1C

This Thunderbolt™ 3 to USB 3.1 controller adapter offers twice the performance of a traditional 4-port USB 3.1 hub, enabling you to connect a wide range of devices to your Thunderbolt 3 laptop. With dedicated USB buses, the controller adds four USB ports - two USB-A (5Gbps), one USB-C (10Gbps) and one USB-A (10Gbps).

High-performance 10Gbps ports

The two 10Gbps ports are useful for accessing high-performance, bandwidth-hogging devices such as storage arrays, 3D scanners, audio-video capture and broadcast devices, and external SSD drives. The Thunderbolt 3 port can also be used for connecting a second 10Gbps USB-C device.

When only one port is being accessed, the full dedicated 10Gbps is available. If both 10Gbps ports are being accessed at the same time, the bandwidth being provided to each device will be 5Gbps.

Dedicated 5Gbps ports

The two 5Gbps ports can provide 5Gbps of bandwidth to each device simultaneously, making it ideal for devices such as portable hard drives. You can also connect low-bandwidth devices such as USB flash drives.

The front USB-A port supports both data and charging. The adapter does not need to be connected to a Thunderbolt 3 computer in order to charge your mobile devices.

Extend your workstation

The adapter features a second Thunderbolt 3 port that you can use to connect an additional display to your laptop (a USB-C video adapter may be required). The port can also be used to connect additional Thunderbolt devices, daisy-chaining up to six devices in all.

The TB33A1C is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant
Available

Applications

- Connect high-bandwidth devices such as such as storage arrays, 3D scanners, audio-video capture and broadcast devices and external SSD drives to the 10Gbps ports
- Add two 10Gbps ports (one USB-A and one USB-C) and two 5Gbps USB-A ports, without losing the Thunderbolt 3 port on your laptop
- Connect multiple bus powered SSDs with dedicated bandwidth for faster read write access
- Connect low-bandwidth and legacy USB devices such as a keyboard, mouse or USB flash drive to the 5Gbps ports
- Connect a Thunderbolt 3 laptop to your existing USB 3.0 devices, such as USB 3.0 docking station, printer, hubs

Features

- Provides twice the performance of a traditional 4-port USB 3.1 hub
- Add multiple devices to your Thunderbolt 3 laptop with a total shared bandwidth of 20Gbps
- USB-A charge port charges your devices with no host connection required
- Supports USB Battery Charging Specification 1.2
- Included power adapter ensures your connected devices are fully powered and operational
- Thunderbolt 3 cable included
- Daisy chain up to six Thunderbolt 3 devices
- Sleek, durable aluminum housing
- Backward compatible with older USB 2.0 and 1.1 devices

	Warranty	2 Years
Hardware	Bus Type	Thunderbolt 3
		USB 3.1 Gen 2
		USB 3.1 Gen 1
	Chipset ID	Intel - Alpine Ridge JHL6540 ASMedia - ASM1042A ASMedia - ASM1142
	Fast-Charge Port(s)	No
	Industry Standards	Thunderbolt 3 USB Battery Charging Specification Rev. 1.2 Universal Serial Bus 3.1 Specifications Revision 1.0 Universal Serial Bus Specification Revision 2.0 Extensible Host Controller Interface Specification revision 1.1 USB Attached SCSI Protocol Revision 1.0
	Ports	4
	USB-C Device Port(s)	Yes
	USB-C Host Connection	No
Performance	Maximum Data Transfer Rate	Aggregate Bandwidth 20Gbit/s
	Type and Rate	USB 3.1 Gen 2 - 10 Gbit/s
		USB 3.1 Gen 1 - 5 Gbit/s
	UASP Support	Yes
Connector(s)	Connector Type(s)	2 - Thunderbolt™ 3 USB-C (24-pin) Male
		2 - USB Type-A (9 pin) USB 3.0 Female
		1 - USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps) Female
		1 - USB Type-C (24 pin) USB 3.1 (10Gbps)
Software	OS Compatibility	Windows® 7, 8, 8.1, 10 macOS 10.12 - 10.3
Special Notes / Requirements	Note	When connecting a display to the Thunderbolt 3 USB-C port, a USB-C video adapter might be required depending on the input of your display.
		Secondary Thunderbolt 3 port can also be used to connect USB 3.1 (10Gbps) USB-Type C devices, such as USB 3.1 Storage Enclosure or Hubs. Backwards compatible with USB 3.1 Gen 1 (USB 3.0), and USB 2.0.
		USB 3.1 Gen 1 is also known as USB 3.0; this connectivity standard offers speeds up to 5Gbps. USB 3.1 Gen 2 offers speeds up to 10Gbps.

	System and Cable Requirements	Thunderbolt 3 equipped computer with a Thunderbolt 3 port.
		Your laptop's Thunderbolt 3 port must support USB Power Delivery 2.0 in order to power and charge your laptop.
Power	Center Tip Polarity	Positive
	Input Current	1.8 A
	Input Voltage	110V-240V AC
	Output Current	3.25 A
	Output Voltage	20V DC
	Plug Type	N
	Power Consumption (In Watts)	65W
	Power Delivery	15W
	Power Source	AC Adapter Included
Environmental	Humidity	90% RH
	Operating Temperature	0°C to 40°C (32°F to 104°F)
	Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Physical Characteristics	Cable Length	19.7 in [500 mm]
	Color	Silver & Black
	Enclosure Type	Aluminum
	Form Factor	Desktop
	Product Height	0.9 in [23.5 mm]
	Product Length	5.8 in [148 mm]
	Product Weight	38.9 oz [1102 g]
	Product Width	2.9 in [74 mm]
Packaging Information	Shipping (Package) Weight	3.2 lb [1.5 kg]
What's in the Box	Included in Package	1 - Thunderbolt 3 controller
		1 - Thunderbolt 3 cable
		1 - universal power adapter (NA/JP, UK, EU, ANZ)
		1 - quick-start guide

Product appearance and specifications are subject to change without notice.