

External Thunderbolt 3 to USB Controller - 3 Dedicated USB Host Chips - 1 Each for 5Gbps USB-A Ports, 1 Shared Between 10Gbps USB-C & USB-A Ports - TB3 Daisy Chain - Self Power

Product ID: TB33A1C



This Thunderbolt 3 USB 3.1 multi-channel hub controller delivers maximum USB performance, adding four high-speed independent USB ports to your Thunderbolt 3 laptop. It provides three dedicated USB controllers and up to 20Gbps of aggregated bandwidth for USB devices, ideal for connecting bandwidth-demanding devices such as 3D scanners.

The Thunderbolt 3 hub lets you access multiple USB devices at greater bandwidth and improved performance, and extend the life of your USB devices.

The high-speed USB hub provides two 10Gbps ports for connecting high-performance devices such as storage arrays, 3D scanners, audio-video devices, and external SSDs, with dedicated bandwidth for faster read/write access. The second Thunderbolt 3 port can be used to connect an additional USB-C device with up to 10G bandwidth.

When only one USB port is in use, the full 10Gbps bandwidth is available to the device. Two additional USB-A ports provide 5Gbps of bandwidth to each device simultaneously, ideal for portable hard drives or flash drives. For added convenience, the front USB-A port supports both data and charging of your mobile device.

The Thunderbolt 3 hub features a second Thunderbolt 3 port 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.

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

Certifications, Reports and Compatibility





Applications

- Connect multiple bus-powered SSDs with dedicated bandwidth for faster read/write access
- Connect a Thunderbolt 3 laptop to your USB devices such as printer, keyboard or mouse
- Maximize the performance of high-bandwidth devices such as 3D scanners with the independent dedicated ports

Features

- **MAXIMIZED BANDWIDTH:** Utilize TB3 to drive 3 dedicated USB controllers over 4x PCIe lanes for high-performance USB transfer speeds; One controller for each 5Gbps port; 10Gbps ports share a controller
- **HIGH PERFORMANCE USB PORTS:** Thunderbolt 3 certified controller w/ 2x USB-A 5Gbps USB 3.0 (USB 3.1/3.2 Gen 1), 1x USB-A & 1x USB-C at 10Gbps SuperSpeed (Gen 2); Front BC 1.2 Fast Charge port up to 7.5W
- **FAST TRANSFER SPEEDS:** SSDs, NVMe drives, VR Headsets & 3D scanners need full USB throughput for optimal performance, multi function dock w/multiple controllers provides dedicated bandwidth to devices
- **FLEXIBLE THUNDERBOLT 3 PORT:** Downstream TB3 port w/ 3 modes of operation incl DP Alt Mode to connect 2nd monitor (5K 30Hz or 4K 60Hz) or daisy chain up to 5 TB3 devices, or connect a USB Type-C device
- **EASY SETUP:** Auto-installation of drivers in supported OS; Adapter Hub has been tested & works with Windows 7 & up, MacOS 10.12 & up, and Linux; Incl 1.6" (0.5m) TB3 host cable & 65W universal PSU

Hardware	Warranty	2 Years
	USB-C Device Port(s)	Yes
	USB-C Host Connection	No
	Fast-Charge Port(s)	No
	Ports	4
	Bus Type	Thunderbolt 3
	Bus Type	USB 3.1 Gen 2
	Bus Type	USB 3.1 Gen 1
	Industry Standards	Thunderbolt 3
	Chipset ID	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
		Intel - Alpine Ridge JHL6540

ASMedia - ASM1042A

ASMedia - ASM1142

Performance	Maximum Data Transfer Rate	Aggregate Bandwidth 20Gbit/s 3840 x 2160 (4K) 60Hz
	Maximum Digital Resolutions	USB 3.1 Gen 2 - 10 Gbit/s
	Type and Rate	USB 3.1 Gen 1 - 5 Gbit/s
	Type and Rate	Yes
	UASP Support	1,936,146 hours
	MTBF	
Connector(s)	Connector Type(s)	Thunderbolt 3 USB-C (24-pin) (40Gbps)
	Connector Type(s)	USB Type-A (9 pin) USB 3.0 (5 Gbps)
	Connector Type(s)	USB 3.1 USB Type-A (9 pin, Gen 2, 10 Gbps)
	Connector Type(s)	USB Type-C (24 pin) USB 3.1 (10Gbps)
Software	OS Compatibility	Windows 7, 8, 8.1, 10 >macOS 10.12 - 10.15
Special Notes / Requirements	System and Cable Requirements	Thunderbolt 3 equipped computer with a Thunderbolt 3 port.
	System and Cable Requirements	Your laptop's Thunderbolt 3 port must support USB Power Delivery 2.0 in order to power and charge your laptop.
	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.
	Note	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.
	Note	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.
Power	Power Source	AC Adapter Included
	Power Delivery	15W
	Input Voltage	100 - 240 AC
	Input Current	1.8 A
	Output Voltage	20V DC
	Output Current	3.25 A

Center Tip Polarity	Positive
Plug Type	N
Power Consumption (In Watts)	65W

Environmental	Operating Temperature	0C to 40C (32F to 104F)
	Storage Temperature	-20C to 70C (-4F to 158F)
	Humidity	90% RH

Physical Characteristics	Color	Silver & Black
	Form Factor	Desktop
	Material	Aluminum
	Cable Length	19.7 in [5 cm]
	Product Length	5.8 in [1.5 cm]
	Product Width	2.9 in [74 mm]
	Product Height	0.9 in [23.5 mm]
	Weight of Product	7.1 oz [200 g]

Packaging Information	Package Length	11.2 in [2.8 cm]
	Package Width	7.3 in [1.8 cm]
	Package Height	4.6 in [1.2 cm]
	Shipping (Package) Weight	3.4 lb [1.6 kg]

What's in the Box	Included in Package	Thunderbolt 3 controller
	Included in Package	Thunderbolt 3 Cable (50 cm)
	Included in Package	universal power adapter (NA/JP, UK, EU, ANZ)
	Included in Package	quick-start guide

****Product appearance and specifications are subject to change without notice.***

