4-Port USB-C Hub with USB-C DP Alt Mode Video Output 4K 60Hz - 3x USB-A, 1x USB Type-C, 100W Power Delivery Pass-Through, USB 3.2 10Gbps, 1ft/30cm Cable, Portable USB Hub

Product ID: HB31C3A1CDPPD3



This USB Type-C Hub with USB-C DP Alt Mode Output and 100W USB Power Delivery pass-through adds four USB 3.2 Gen 2 (10Gbps) ports (3x USB-A, 1x USB-C) to a USB-C enabled computer. The Hub supports USB-C DP Alt mode on the downstream USB-C port, enabling the connection of USB-C portable monitors or desktop monitors. Connect the USB hub to a USB-C port on a laptop, using the built-in 1ft (30cm) USB-C host cable. Charge a host laptop by connecting the host laptop's USB-C power supply to the USB Power Delivery (PD) 3.0 port. Backward compatibility with USB 2.0 (480Mbps) devices ensures support for a wide range of modern and legacy USB peripherals.

The downstream USB-C port on this USB hub supports both 10Gbps data transfers and USB-C DP Alt Mode, with support for resolutions up to 4K 60Hz. This enables users to connect either a USB data peripheral or a USB-C portable or desktop monitor. The USB-C port outputs 12W (5V/2.4A) of power to support portable USB-C monitors, or power and charge other USB peripherals. This integration is particularly valuable for enhancing productivity in professional settings and delivering either video or USB 10Gbps performance, depending upon user needs.

This USB hub features USB Power Delivery 3.0 pass-through (up to 100W). Connect a power source to the PD pass-through port to power the host, the hub, and an external display, and to enable full charging capabilities for the USB peripheral ports. PD 3.0 features Fast Role Swap (FRS) to prevent USB data disruption when switching power sources (USB-C power adapter to bus power).

Power the hub using a USB-C power adapter connected or with bus-powered alone. The hub requires up to 18W of power. This power is dynamically shared across the downstream ports. For added protection to this USB hub and the connected host device, the USB hub features Overcurrent Protection (OCP). OCP prevents faulty USB peripherals from drawing more power than is safely allocated.

This device is compatible with all major operating systems, including Windows, macOS, ChromeOS, iPadOS, and Android. The Hub is automatically detected, configured, and installed upon connection to a host computer.

Developed to improve performance and security, StarTech.com Connectivity Tools is the only software suite on the market that works with a wide range of IT connectivity accessories. The software suite includes:

Advanced Windows Layout Utility: Setup and save custom windows layouts.

USB Event Monitoring Utility: Track and log connected USB devices.

For more information and to download the StarTech.com Connectivity Tools application, please visit: www.StarTech.com/connectivity-tools

Certifications, Reports and Compatibility





Applications

• Connect a portable USB-C monitor

• Connect a USB Solid State Drive (SSD)

Features

• 4-PORT USB-C HUB: USB 3.2 Gen 2 (10Gbps) expansion hub with built-in USB-C host cable; 3x USB-A, 1x USB-C (Alt Mode DisplayPort 1.4 + 10Gbps data), 1x USB-C PD Pass-Through; Overcurrent Protection (OCP) & Wake on USB; Easy driverless setup

• USB-C VIDEO OUTPUT: USB-C port (video + data) supports video out to a 4K 60Hz portable or desktop USB-C monitor; NOTES: Computer must support USB-C DP Alt Mode; Power adapter must be connected to PD Pass-Through port to power a USB-C monitor

• RELIABLE PERFORMANCE: Connect an external USB-C power adapter for 100W Power Delivery 3.0 pass through; 18W is reserved for the adapter to avoid video flickering, device dropouts or power overdraw that's common in other hubs; Up to 82W for laptop charging

• EXTRA-LONG CABLE: Attached 1ft/30cm cable with TPE jacket provides long reach for easy setup and prevents adapter from dangling on the host connector; Ideal cable length to reduce port strain on 2-in-1 convertible laptops, or host laptops on riser stands

• OUR ADVANTAGE: Included connectivity tools for IT Pros and IT help-desk support teams; Features USB Event Monitoring that logs and timestamps USB port usage enabling admins to identify potentially malicious devices; Features Windows Layout Utility

Hardware	
Warranty	2 Years

USB-C Device Port(s)	Yes
USB-C Host Connection	Yes
Fast-Charge Port(s)	Yes
Ports	4
Interface	USB 3.2 Gen 2 - 10 Gbit/s
Bus Type	USB 3.2 Gen 2 10Gbps
Industry Standards	USB 3.2 Gen 2 - Backward compatible with USB 3.2 Gen 1, USB 2.0, and 1.1
	USB Power Delivery 3.0
	USB-C DP 1.4 Alt Mode
	Wake on USB
Chipset ID	VIA - VL103-Q4
	VIA - VL822-Q7
	Parade - PS8802
	Parade - FL7102-2L0
	TMI - IM2605
	Realtek - RTD2186

Performance

Total USB Power Output	4.5W (5V/0.9A)
Maximum Data Transfer Rate	10Gbps (USB 3.2 Gen 2)
Maximum Digital Resolutions	4K (4096 x 2160) 60Hz
Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
UASP Support	Yes
General Specifications	Maximum Laptop Charging: 82W

Connector(s)

	External Ports	1 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps, 12W Power, DP Alt-Mode Video) 3 - USB 3.2 Type-A (9 pin, Gen 2, 10Gbps) 1 - USB Type-C (24 pin) USB Power Delivery Only
	Host Connectors	1 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps)
Software		
	OS Compatibility	OS Independent; No additional drivers or software required
Special Notes / Requirements		
	System and Cable Requirements	A host laptop with an available USB-C port (to ensure full adapter functionality, the host USB-C port must support USB Power Delivery). Optional: USB-C power adapter (for example, your laptop's USB-C based power adapter).
	Note	Not all USB-C ports support the full functionality of the USB Type-C standard. Ensure the host USB-C port supports USB Power Delivery. Power will not pass through to the adapter when connected to a host USB-C port that lacks USB PD functionality. Your laptop might have specific charging requirements. For example, if your laptop requires exactly 60W of power and an adapter consumes some of the 60W, your laptop might not recognize that it is getting enough power. For more information about Power Delivery, refer to the manufacturer of your hardware.
Power		
	Power Source	Bus Powered and Host USB-C Power Adapter
	Power Consumption (In Watts)	18W
Environmental		
	Operating Temperature	0C to 40C (32F to 104F)
	Storage Temperature	-40C to 70C (-40F to 158F)
	Humidity	0% ~ 95% RH at 25C (77F)
Physical Characteristics		
	Color	Space Gray

	Material	Plastic
	Product Length	3.9 in [9.8 cm]
	Product Width	2.1 in [5.4 cm]
	Product Height	0.6 in [1.6 cm]
	Weight of Product	3.5 oz [98.0 g]

Packaging Information		
	Package Quantity	1
	Package Length	5.6 in [14.2 cm]
	Package Width	6.7 in [17.0 cm]
	Package Height	1.2 in [3.0 cm]
	Shipping (Package) Weight	5.3 oz [149.0 g]

What's in the Box		
	Included in Package	1 - USB-C Hub
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.