USB-C Multiport Adapter with USB-C DP Alt Mode Video Output/4K HDMI 2.0/VGA, USB-C Dual Monitor Docking Station, 100W PD Pass-Through, USB Type C Mini Dock/MST Adapter Hub

Product ID: DKM31C3HVCPD



This USB-C Multiport Adapter/Docking Station with DisplayPort 1.4 (Alt Mode) and Multi-Stream Transport (MST), features three video output options (HDMI, VGA and USB-C video) to support a single or multi-monitor workstation. The USB-C video port supports USB 3.2 Gen 2 (10Gbps) with 10W of power, to connect a USB-C monitor or a USB-C peripheral. In addition, the Docking Station also features a 2-Port USB-A 3.2 Gen 2 (10 Gbps) Hub, a Gigabit Ethernet port, and providing advanced charging through a USB Power Delivery (PD) 3.0 pass-through port. The Multiport Adapter connects to a laptop's USB-C or Thunderbolt 3/4 port, using the integrated 10-inch (25cm) USB-C cable.

The compact USB Type-C Docking Station features three video output options to turn your laptop into a single or multi-monitor workstation.

HDMI Port

Provides HDR video with resolutions up to 4K 60Hz.

VGA Port

Provides analog video with resolutions up to 1080p 60Hz.

USB-C Port

Provides the industry's first downstream full featured video or data (10Gbps) USB-C port that supports DP Alt Mode video or peripheral connection, on a non-Thunderbolt adapter.

The advanced video versatility of this Multiport Adapter, makes it suitable for a wide variety of applications:

• Connect a portable USB-C monitor as an extended display, to obtain a high resolution external monitor during on-the-go travel between an office desk, home office, hot desk, or the boardroom.

• Connect a USB-C peripheral to the downstream 10Gbps USB-C port, while using the HDMI and/or VGA ports to

connect external monitor(s) as extended display(s).

• Connect multiple external monitors as extended displays, using any combination of the two video ports, to create a high-productivity workstation. USB-C video adapters (sold separately) can be used to connect HDMI, DVI, VGA, or DisplayPort monitors to the USB-C video port.

This Docking Station utilizes MST to obtain video versatility. Video performance is based upon the number of attached monitors and the host computer's video controller. Consult the manufacturer of the host computer to determine MST video performance. StarTech.com performs rigorous performance benchmarks with all major host computer video controllers. The video performance results of our testing are listed below:

Notes:

• This chart displays maximum performance capabilities. Performance varies depending on system configuration. Check with your host computer manufacturer to determine expected video performance.

• A laptop with a discrete GPU is recommended for maximum performance.

The USB 3.2 Gen 2 (10Gbps) hub features two USB-A ports and one USB-C port, for connecting your USB devices. The downstream USB-C port can be used to connect a monitor, or USB-C peripheral with up to 10W (5V/2A) of power, to power or charge your peripherals.

A versatile docking solution for use at an office desk, home office, hot desk, or in the boardroom. It's portable enough to be carried in a bag / backpack for mobile use. The USB-C dock can operate with bus-power alone, or with a USB-C power adapter connected to the USB Power Delivery pass-through port - for full laptop and USB-C peripheral charging. The lightweight docking station features a built-in 10 in (25 cm) USB-C host cable for added setup flexibility and to reduce port strain with laptop connection elevated off desktop surface.

With support for USB PD 3.0 (100W - 88W charging, 12W reserved for multiport adapter), the Multiport Adapter enables charging of the host computer and peripherals connected to the USB-C port. USB PD is only available when a USB-C power adapter is connected to the PD pass-through port. PD 3.0 features Fast Role Swap (FRS) which prevents USB data disruption when switching power sources (e.g., USB-C power adapter to bus power).

The Gigabit Ethernet port ensures reliable wired network access. Support for Wake-on-LAN (WoL) enables remote booting of the 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.

MAC Address Pass-Through Utility: Improve network security.

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

Wi-Fi Auto Switch Utility: Enable users to quickly access faster network speeds via wired LAN.

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

This product is backed for 3-years by StarTech.com, including free lifetime 24/5 multi-lingual technical assistance.

Certifications, Reports and Compatibility



Applications

• Home office IT deployment, ideal for traveling between the home and office

• Connect a portable USB-C monitor as an extended display during on-the-go travel between your office desk, home office, hotel desk, or the boardroom

• Connect a USB-C peripheral to the downstream 10Gbps USB-C port, while using the HDMI and/or VGA port(s) to connect external monitor(s)

• Charge your tablets and smartphones from the 10W USB-C port

Features

• 7-IN-1 MULTIPORT ADAPTER: Single or Multi Monitor DP 1.4 Alt Mode, HDMI 2.0b, VGA, USB-C port with DP Alt Mode for video or 10Gbps Data, plus 2 x USB-A 3.2 Gen 2 10Gbps hub, 100W USB PD Pass-Through (88W laptop charging), Gigabit Ethernet

• USB-C DOWNSTREAM PORT WITH VIDEO OUTPUT: Industry's first non-Thunderbolt adapter featuring a 10Gbps USB-C port w/ DP Alt Mode - Connect a portable USB-C monitor or desktop monitor w/USB-C Display Adapter as an extended display, or USB-C peripheral

• FLEXIBLE VIDEO: 1x 4K 60Hz HDMI or USB-C DP Alt Mode video, or 2x 4K 30Hz HDMI + USB-C (discrete DP 1.4 GPU) - 1x 4K 30Hz HDMI or USB-C, or 4K 30Hz + 1080p 60Hz in dual monitor (integrated DP 1.4 GPU) - 1x 4K 30Hz HDMI or USB-C, or 2x 1080p (DP 1.2 GPU)

• EXTRA LONG CABLE: 10" (25cm) cable for extended reach reducing port/connector strain on 2-in-1 devices like Surface Pro 7/8, iPad Pro, HP Elite X2 or laptops on riser stands - Hideaway cable design stores attached cable during travel

• COMPATIBILITY: Mini dock compatible w/USB-C laptops/Ultrabooks/Chromebooks/Surface/Thunderbolt 3/4/USB4 laptops from HP/Dell/Lenovo - Windows/Android/Linux/ChromeOS - For optimal video performance use with Intel 11th & 12th gen+ laptop CPUs

• CONNECTIVITY TOOLS: Provided with the mobile all-in-one USB Type C docking station adapter this application improves performance and security - Featuring MAC Address Changer, USB Event Monitoring, Windows Layout, and Wi-Fi Auto Switch utilities

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Hardware

Warranty	3 Years
4K Support	Yes
Fast-Charge Port(s)	Yes
Displays Supported	2
Interface	USB 3.2 Gen 2 (10 Gbps)
Bus Type	USB-C
Industry Standards	HDMI 2.0b
	HDR10
	DisplayPort 1.4
	USB 3.2 Gen 2 (10Gbps)
	USB Power Delivery Specification Rev. 3.0
Chipset ID	Genesys Logic - GL3590
	Genesys Logic - GL9510-UFP
	Genesys Logic - GL9510-DFP
	Realtek - RTD2142
	Realtek - RTL8153

Performance

Maximum Data Transfer Rate	10Gbps
Maximum Digital Resolutions	HDMI: Up to 4K (3840 x 2160p) 60Hz
	USB-C (DP Alt Mode): Up to Up to 4K (3840 x 2160p) 60Hz
	VGA: Up to 1080p (1920x1200p/1920x1080p)
Type and Rate	USB 3.2 Gen 2 - 10 Gbit/s
UASP Support	Yes
Compatible Networks	10/100/1000 Mbps

	Full Duplex Support	Yes
	General Specifications	Maximum Laptop Charging: 88W
	MTBF	40,030 Hours
Connector(s)		
	External Ports	1 - HDMI (19 pin)
		1 - VGA (15 pin, High Density D-Sub)
		1 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps, 10W Power, DP Alt-Mode Video)
		2 - USB 3.2 Gen 2 USB Type-A (9 pin, 10 Gbps)
		1 - USB Type-C (24 pin) USB Power Delivery Only
		1 - RJ-45
	Host Connectors	1 - USB 3.2 Type-C (24 pin, Gen 2, 10Gbps)
Software		
	OS Compatibility	Windows 7, 8, 8.1, 10, 11<br / >Chrome OS
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 2.0 and DP alt mode).
		For a multi-monitor configuration, the computer must support MST
		Optional: USB-C power adapter (e.g., 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 that your host USB-C port supports USB Power Delivery and DP alt mode.
		The adapter can connect to USB-C ports that don't support USB PD. PD will not occur without a connection to a PD capable USB-C port. However, in this configuration if a power adapter is connected to the multifunction adapter, it will not pass power through to your host laptop.
		A 4K-capable display is required to achieve 3840 x 2160p resolution (4K is also known as 4K x 2K).
		A 4K-capable computer is required to achieve 3840 x 2160p resolution (4K is also known as 4K x 2K).

		USB 3.2 Gen 2 (10Gbps) is also known as USB 3.1 Gen 2 (10Gbps). 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.
Indicators		
	LED Indicators	1 - Network Link LED 1 - Network Activity LED (Amber)
Power		
	Power Source	Bus Powered and Host USB-C Power Adapter
	Power Consumption (In Watts)	12W
Environmental		
	Operating Temperature	0C to 60C (32F to 140F)
	Storage Temperature	-20C to 60C (-4F to 140F)
	Humidity	<90% RH
Physical Characteristics		
	Color	Space Gray
	Material	Plastic
	Cable Length	9.8 in [25 cm]
	Product Length	5.7 in [14.4 cm]
	Product Width	3.3 in [8.3 cm]
	Product Height	1.1 in [2.8 cm]
	Weight of Product	5.9 oz [168.0 g]
Packaging Information		
	Package Length	8.1 in [20.7 cm]

	Package Width	5.7 in [14.4 cm]
	Package Height	1.5 in [3.8 cm]
	Shipping (Package) Weight	9.1 oz [258.0 g]

What's in the Box

	Included in Package	1 - Docking Station
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.