



Maximize your workspace

Docking Transition Guide

Switch to USB-C docks today and reap the many benefits of USB-C

With USB-C setting a new standard for transmitting data, video, audio and power, Dell has designed a comprehensive range of USB-C docks to help you reap these benefits and work seamlessly with the new range of thinner and lighter USB-C laptops.



One single cable connectivity for a clutter-free desk

USB-C provides a single industry standard connection for multi-display video, audio, data transfer and enough power to charge your laptop, 2-in-1 or mobile workstation, eliminating the need for multiple cables, maximizing your workspace.



Fast and powerful

Dell Business Dock - WD15 and Dell Business Thunderbolt Dock - TB16 offer over 2 times more power charging than the industry standard, supporting more platforms, including Precision mobile workstations. Dell docks also support USB transfer speeds of up to 5Gbps, that's 10 times faster than the USB2.0. With Thunderbolt built into USB-C, it takes the speed of data and video transfer to the extremes, up to 40Gbps. Thunderbolt 3 also allows daisy chaining multiple devices, and provides full bandwidth capabilities even to the last device that has been daisy chained.



Convenient and easy to use

Reversible, the USB-C connector eliminates the need to flip to find the "right-side" up, as plugging in the cable any way works.

Technology explained

What is USB-C technology?

USB-C is a new industry standard, delivering high power and fast transfer speeds. With a symmetrical connector, it is easy to use as it fits into the port in any orientation. Its small connector size and ability to fulfill audio, video, data and even power transfer in a single port means devices built with USB-C now need less ports for the same functions and can be built thinner and lighter.

What is Thunderbolt technology?

Thunderbolt 3 is a superset of capabilities running on USB-C connectors and cables. It is reversible and offers both high speed data and video transfer of up to 40Gbps -- that's equivalent to taking just 30 seconds to transfer a 4GB full length movie.

Why choose Dell USB-C Docks

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Reliable

With Dell docks, you can expect the same commitment to quality and reliability that you expect from Dell.

Delivering full featured and reliable docking solutions for over 20 years, we ensure that the docking solutions are designed to the standard USB-C specifications and enhance productivity in any environment.



Comprehensive

Whether you are hoteling in a mixed client environment or in a design studio requiring high speed data transfers, we have the docking solution to suit your needs.

Dell's range of USB-C docks helps you organize and declutter your workspace – offering you the choice to mount your dock at the back of your monitor, set it on top of your desk or use it with an integrated stand.



Futureproof

For over 10 years that Dell has created E-docks, we have provided solutions to extend your docks' lifespan, making them either backward compatible or providing possibilities for future upgradability.

With the new USB-C docks, Dell continues to create easy to manage, robust, reliable and long lifecycle solutions, helping you maximize your return on investment.



Productive

Dell docks' business class features optimize productivity when used with Dell laptops.

They provide security features like port disablement when docked and improved remote management capability. Dell Business Docks also offer greater power and efficiency through ExpressCharge and power charging that is 2 times the industry standard and is easy to manage.

Enjoy these Business Class features when you pair Dell USB-C Business Docks with Dell laptops



Improved remote management and security

- Remotely provision and image with PXE boot while docked
- Troubleshoot, update, and manage while docked with Wake-on-LAN (WOL)
- Secure your environment with port disablement

Greater power and efficiency

- Deliver up to 130W* of power charging -- over 2 times the industry standard
- Save time and charge faster with ExpressCharge** through the dock
- Power on or wake your system without opening the lid using the Dock Power button

Simplify management and notifications

- Manage dock updates using the same tools you already use for your systems
- Dell Command Update (DCU) checks for updates for your system and dock
- Notifications for docking events and power keep you informed

*Higher power delivery of up to 130W is supported only when used with Dell laptops.

**Available on select laptops with Express Charge feature only. With ExpressCharge feature, your laptop battery charges to greater than 80% after about an hour of charging and gets fully charged in about 2 hours with the system off when docked.

Docking scenarios

Docking Transition Guide

Whatever your needs, Dell has just the right USB-C docking solution for you.

Dell Business Dock

WD15

Essential dock for fast and easy connection to peripheral devices

- Great for individual workspaces in the office/home or hoteling
- Offers business class features¹ when used with Dell laptops
- Option to place on the desk, under the desk or mount it at the back of the monitor
- Supports up to 130W* power delivery
- Connects up to 2 displays



Dell Business Dock with Monitor Stand

DS1000

Compact 2-in-1 design integrates monitor stand with dock, hiding cables within the stand for a clutter-free desk solution

- Great for tight individual workspaces in the office/home or hoteling
- Offers business class features¹ when used with Dell laptops
- A second monitor can be connected via daisy chain, HDMI or VGA port
- Supports next to 90W* power delivery
- Connects up to 2 displays



Dell Business Thunderbolt Dock

TB16

Ultimate docking solution for power users requiring multiple displays with high resolution

- Great for graphic intensive design studios and CAD/CAM engineering environment
- Offers business class features¹ when used with Dell laptops
- Enables lightning-fast data transfers of up to 40Gbps
- Supports up to 130W* power delivery
- Connects up to 3 displays



Dell Universal Dock

D6000

A universal dock that works with any laptop

- Great for non-business environment with a mix of legacy, current Dell systems and multi-vendor laptops with USB-C or USB3.0
- Powered by DisplayLink technology
- Supports up to 65W power delivery with USB-C connectivity
- Connects up to 3 displays

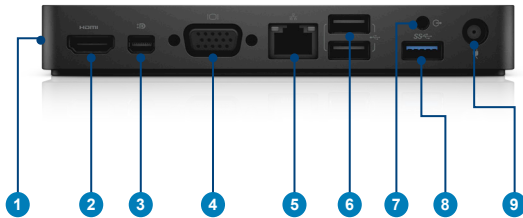


Ports at a glance

Docking Transition Guide

Dell Business Dock

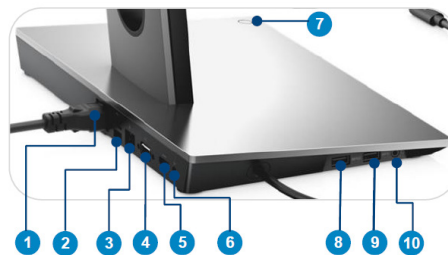
WD15



- | | | | |
|------------------------------|----------------|-------------------------------|--------------------------|
| 1. Docking station connector | 4. VGA | 8. USB 3.0 | 12. USB 3.0 |
| 2. HDMI | 5. RJ45 GbE | 9. 7.4 mm DC-in power input | 13. Power adapter LED |
| 3. Mini-DP | 6. 2 x USB2.0 | 10. Combo audio/ headset jack | 14. Dock button |
| | 7. Speaker-out | 11. USB 3.0 with Power Share | 15. Kensington lock slot |

Dell Business Dock with Monitor Stand

DS1000



1. AC Power-in
2. USB 2.0 x 2
3. RJ45 GbE
4. VGA
5. HDMI
6. Speaker-out
7. Power button
8. USB 3.0 with Power Share
9. USB 3.0
10. Combo audio/ headset jack

* DisplayPort, USB 2.0 uplink, AC Power cables are housed within the monitor stand.

Dell Business Thunderbolt Dock

TB16

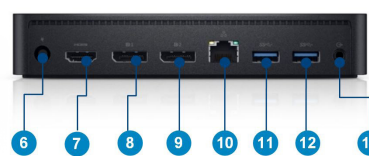
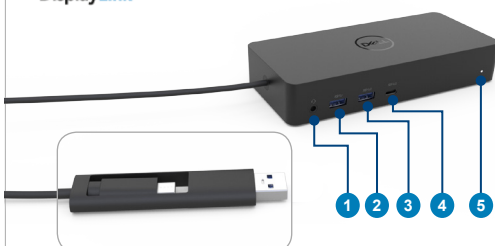


- | | |
|-----------------------------|-------------------------------|
| 1. VGA | 11. Docking station connector |
| 2. HDMI | 12. Combo audio/ headset jack |
| 3. mDP | 13. USB 3.0 w/ PowerShare |
| 4. Full Size DP | 14. USB 3.0 |
| 5. RJ45 GbE | 15. Power adapter LED |
| 6. USB 2.0 (2x) | 16. Dock button |
| 7. USB 3.0 | 17. Kensington lock slot |
| 8. Thunderbolt 3 (USB-C) | |
| 9. 7.4 mm DC-in Power Input | |
| 10. Speaker-out | |

Dell Universal Dock

D6000

DisplayLink®



- | | |
|------------------------------|-----------------|
| 1. Combo audio/ headset jack | 10. RJ45 GbE |
| 2. USB 3.0 | 11. USB 3.0 |
| 3. USB 3.0/BC1.2 | 12. USB 3.0 |
| 4. USB-C/BC1.2 | 13. Speaker-out |
| 5. LED indicator | |
| 6. Power input | |
| 7. HDMI | |
| 8. DP | |
| 9. DP | |

USB-C Docks comparison chart

Docking Transition Guide



	Dell Business Dock	Dell Business Dock with Monitor Stand	Dell Business Thunderbolt Dock	Dell Universal Dock ⁶
Model number	WD15	DS1000	TB16	D6000
Host connector	USB-C	USB-C	Thunderbolt 3 USB-C	USB-C or USB 3.0
Power delivery to laptop	Up to 130W	Up to 90W	Up to 130W	Up to 65W with USB-C connectivity
Data	USB 3.1 (5Gbps)	USB 3.1 (5Gbps)	Thunderbolt 3 (40Gbps)	USB 3.1 (5Gbps)
Video (Max. # of displays/resolution of displays ²)	Native - DP 1.2 Up to 2 displays: • 1 x 4K ³ • 2 x FHD	Native - DP 1.2 Up to 2 displays: • 1 x 4K ³ • 2 x FHD	Thunderbolt 3 Native - DP1.2 Up to 3 displays: • 1 x 5K • 2 x 4K • 3 x FHD	Video Compression (DisplayLink) - DP 1.2 Up to 3 displays: • 1 x 5K • 2 x 4K • 3 x 4K ⁴
Ports				
DisplayPort	-	1 (within riser)	1	2
Mini-DisplayPort	1	-	1	-
HDMI	1	1	1	1
VGA	1	1	1	-
USB3.0	3	2	3	4
USB2.0	2	2	2	-
Thunderbolt 3	-	-	1	-
RJ45 GbE	1	1	1	1
Combo audio in/out	1	1	1	1
Speaker out	1	1	1	1
Business class features	<ul style="list-style-type: none"> • PXE Boot • MAC address pass-through • Wake-On-LAN • Wake-On-Dock • Dell Command Firmware update • Port disablement 	<ul style="list-style-type: none"> • PXE Boot • MAC address pass-through • Wake-On-LAN • Wake-On-Dock • Dell Command Firmware update • Port disablement 	<ul style="list-style-type: none"> • PXE Boot • MAC address pass-through • Wake-On-LAN • Wake-On-Dock • Dell Command Firmware update • Port disablement 	<ul style="list-style-type: none"> • MAC address pass-through • DisplayLink software interface
Platform Compatibility ⁵	Precision/Latitude/XPS	Latitude/XPS	Precision/XPS/Latitude	PC with DisplayLink driver installation


Dock offering varies across countries. Please check with your country sales rep on availability.

Business Class features [Only available on all Dell Business Docks (excludes Dell Universal Dock – D6000) and when used with Dell laptops.]

- **PXE Boot** – Pre eXecution Environment Boot allows a computer to be troubleshooted remotely when connected to the network via its network card.
- **Wake-On-LAN** – Starts your PC remotely using the signal over your network.
- **MAC address pass-through** – MAC address pass through recognizes only a unique MAC address entered in the system's BIOS (Basic Input/Output System) by overriding the dock or dongle MAC address every time your laptop is connected to the network, ensuring that your PC's MAC address stays the same no matter which USB-C dock you use.
- **Port Disablement** – Allows ports on the dock to be turned off remotely to keep confidential information secure.
- **Power Delivery** – Single cable offers data, audio, video and power delivery of up to 130W.
- **Wake-On-Dock button** – Allows you to physically power/ turn on the laptop/ tablet by pressing the button
- **Wake-On-Dock** – Automatically turns on your laptop -- that is powered down or on standby -- and connects to the peripherals attached when you dock.
- **Dell Command Update (DCU)** – Automatically checks for the latest BIOS, firmware, or drivers required for the dock and PC.
- **Error messages and dock event notifications** – Prompts you to switch to a right wattage when an insufficient power adapter is used with the dock. Also notifies firmware updates and port disablement.

Types of docking solutions

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	USB-C docking	USB 3.0	E-docking
			
	Extending your traditional USB capabilities with native multi-display video, audio, data and enough power delivery to charge your laptop with a single USB-C cable. Its reversible connection means it is easy and convenient to use, with no wrong orientation.	Expanding your USB3.0 laptop or tablet connectivity to displays and peripherals devices is easy with a USB cable.	Dell's proprietary docking solution for Latitude and Precision E-series. Dell laptops enable efficient connectivity to all your desktop peripherals and devices with a simple click into the dock.
Graphics	Native graphics ⁷	USB graphics	Native graphics
	Native graphics performance ⁷	Some graphics performance impact	Native graphics performance
	No additional drivers needed ⁷	DisplayLink driver required	No additional drivers needed
Power	Dock provides power to system	No power provided by USB3.0	Dock provides power to system
Networking	USB Ethernet	USB Ethernet	Native Ethernet
	Additional drivers needed (Windows in-box)	Additional DisplayLink drivers needed	No additional drivers needed
	MAC address pass-through (Dell systems)	Dock MAC address	System MAC address
Audio	USB audio	USB audio	Native audio
Supported Systems	Laptop with USB-C port	Laptop with USB3.0 port	Laptop with E-port

¹ Business class features like PXE Boot, MAC address pass through, Wake-On-LAN, Dell Command Update and Port disablement are offered to all Dell USB-C docks, except for the Dell Universal Dock D6000.

² 5K resolution = 5120 x 2880, 4K resolution = 3840 x 2160, FHD resolution = 1920 x 1080.

³ 4K resolution display at 30Hz.

⁴ Third 4K resolution display at 30Hz.

⁵ Dell follows the standard USB-C protocol. Full functionality with competitors' USB-C platforms may vary. Please refer to compatibility charts in Appendix.

⁶ Does not support business class features. For laptops requiring more than 65W of power, please also plug in your laptop power adapter.

⁷ The Dell Universal Dock – D6000 has both USB-C and USB3.0 connectivity, it displays the characteristics of USB 3.0 docking with DisplayLink under the Graphics section.

Product availability varies by country. Please contact your Dell representative for more information.

Appendix

Dell USB-C Docking compatibility matrix

Docking Support					
Platform		Dell Business Dock WD15	Dell Business Dock with Monitor Stand DS1000	Dell Business Thunderbolt Dock TB16	Dell Universal Dock D6000
Latitude	Latitude 5175/5179	✓	✓	✗	✓
	Latitude 5280	✓	✓	✗	✓
	Latitude 5285	✓	✓	✗	✓
	Latitude 5289	✓	✓	✗	✓
	Latitude 5389	✓	✓	✗	✓
	Latitude 5480 H Discrete	✓	✓	✓	✓
	Latitude 5480 U or H UMA	✓	✓	✗	✓
	Latitude 5580 H Discrete	✓	✓	✓	✓
	Latitude 5580 U or H UMA	✓	✓	✗	✓
	Latitude 7275	✓	✓	✓	✓
	Latitude 7280	✓	✓	✓	✓
	Latitude 7285	✓	✓	✓	✓
	Latitude 7370	✓	✓	✓	✓
	Latitude 7380	✓	✓	✓	✓
	Latitude 7389	✓	✓	✗	✓
	Latitude 7480	✓	✓	✓	✓
	Latitude E5570 H Discrete	✓	✓	✓	✗
Precision	Precision 3510 UMA	✓	✗	✗	✗
	Precision 3510 H Discrete	✓	✗	✓	✗
	Precision 3520 H UMA	✓	✗	✗	✗
	Precision 3520 H Discrete	✓	✗	✓	✗
	Precision 5510	✓	✗	✓	✗
	Precision 5520	✓	✗	✓	✗
	Precision 7510	✓	✗	✓	✗
	Precision 7520	✓	✗	✓	✗
	Precision 7710	✓	✗	✓	✗
	Precision 7720	✓	✗	✓	✗
XPS	XPS 12 9250	✓	✓	✓	✓
	XPS 13 2-in-1 9365	✓	✓	✓	✓
	XPS 13 9350	✓	✓	✓	✓
	XPS 13 9360	✓	✗	✓	✓
	XPS 15 9550	✓	✗	✓	✓
	XPS 15 9560	✓	✗	✓	✓

Appendix

Adapter compatibility chart

Dell Business Dock - WD15			Dell Business Thunderbolt Dock - TB16		
Platform	130W	180W	Platform	180W	240W
Latitude 5175/5179	●	△	Latitude 5480 H Discrete	●	△
Latitude 5280	●	△	Latitude 5580 H Discrete	●	△
Latitude 5285	●	△	Latitude 7275	●	△
Latitude 5289	●	△	Latitude 7280	●	△
Latitude 5389	●	△	Latitude 7285	●	△
Latitude 5480 H Discrete	●	△	Latitude 7370	●	△
Latitude 5480 U or H UMA	●	△	Latitude 7380	●	△
Latitude 5580 H Discrete	●	△	Latitude 7480	●	△
Latitude 5580 U or H UMA	●	△	Latitude E5570 H Discrete	●	△
Latitude 7275	●	△	Precision 3510	●	●
Latitude 7280	●	△	Precision 3520	-	●
Latitude 7285	●	△	Precision 5510	-	●
Latitude 7370	●	△	Precision 5520	-	●
Latitude 7380	●	△	Precision 7510 ⁹	-	●
Latitude 7389	●	△	Precision 7520 ⁹	-	●
Latitude 7480	●	△	Precision 7710 ⁹	-	●
Latitude E5570 H Discrete	-	●	Precision 7720 ⁹	-	●
Precision 3510	-	●	XPS 12 9250	●	△
Precision 3520	-	●	XPS 13 2-in-1 9365	●	△
Precision 5510	-	●	XPS 13 9350	●	△
Precision 5520	-	●	XPS 13 9360	●	△
Precision 7510 ⁹	-	●	XPS 15 9550	-	●
Precision 7520 ⁹	-	●	XPS 15 9560	-	●
Precision 7710 ⁹	-	●			
Precision 7720 ⁹	-	●			
XPS 12 9250	●	△			
XPS 13 2-in-1 9365	●	△			
XPS 13 9350	●	△			
XPS 13 9360	●	△			
XPS 15 9550	-	●			
XPS 15 9560	-	●			

- Recommended
- △ Supported
- Not recommended

⁹ Precision 7510/ 7520/7710/ 7720 require the workstation power adapter for charging, as these systems require more power than 130W.