

ThinkPad

DOCKING SOLUTIONS

Lenovo™



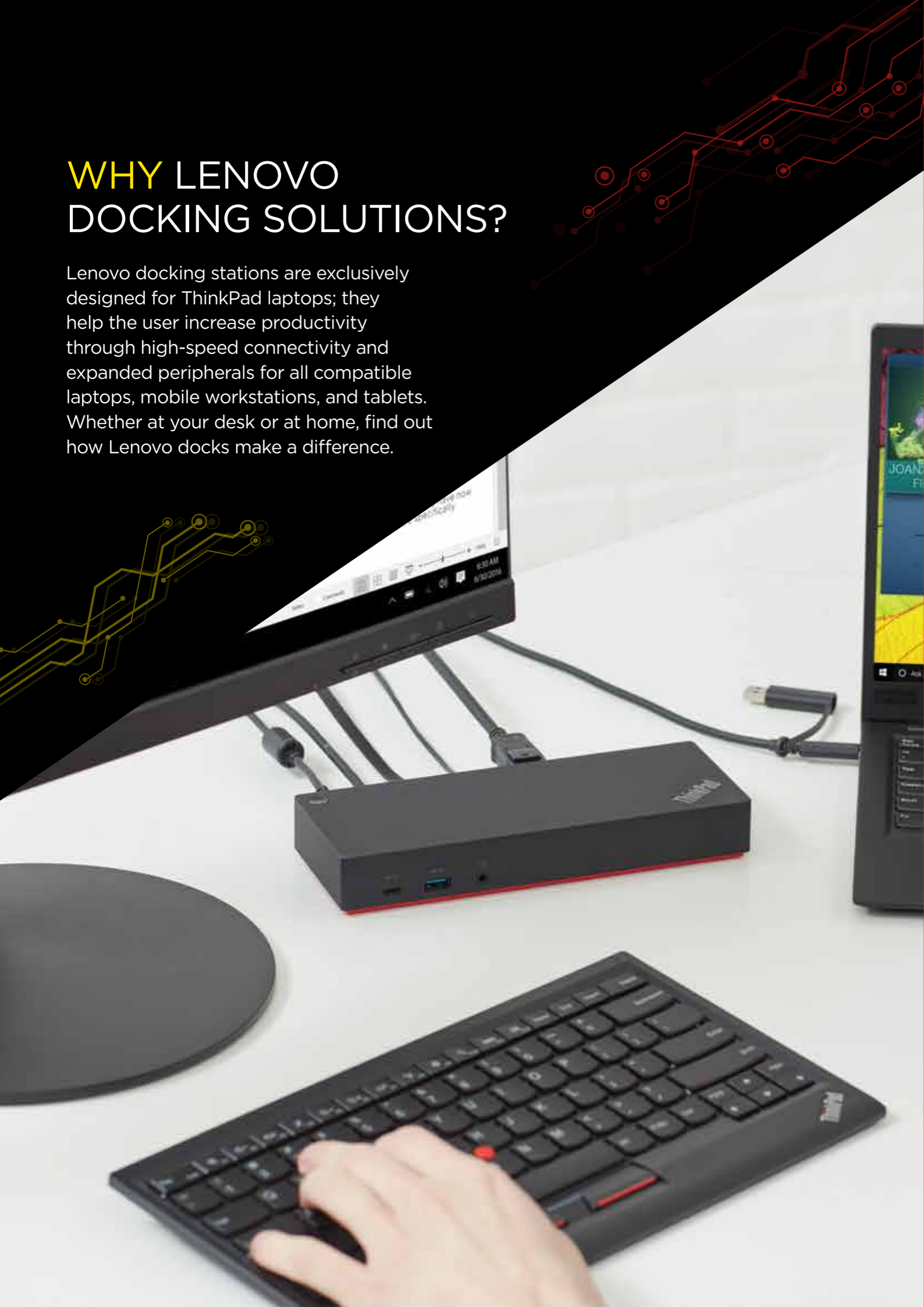
Enhance your work productivity with ThinkPad® docking solutions. Reliably connect to your desktop with a single point of connection, ensuring zero hassle.

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WHY LENOVO DOCKING SOLUTIONS?

Lenovo docking stations are exclusively designed for ThinkPad laptops; they help the user increase productivity through high-speed connectivity and expanded peripherals for all compatible laptops, mobile workstations, and tablets. Whether at your desk or at home, find out how Lenovo docks make a difference.



THINKPAD QUALITY ASSURANCE



Every dock is thoroughly tested to deliver the promise of ThinkPad quality. Be it the 7,000+ cable bending tests, or the 48-hour extreme temperature testing cycles, ThinkPad docks stand up to both the name and your work environment.

PAINSTAKINGLY DESIGNED



It's more than the black matte finish and iconic red dot. Our entire range of docking stations are meticulously designed with our customers in mind to ensure the best possible experience. For example, thousands of man hours went into creating the side docking connector on our 2018 mechanical docking stations to ensure each ThinkPad sits at the perfect ergonomic angle and connects smoothly every time.

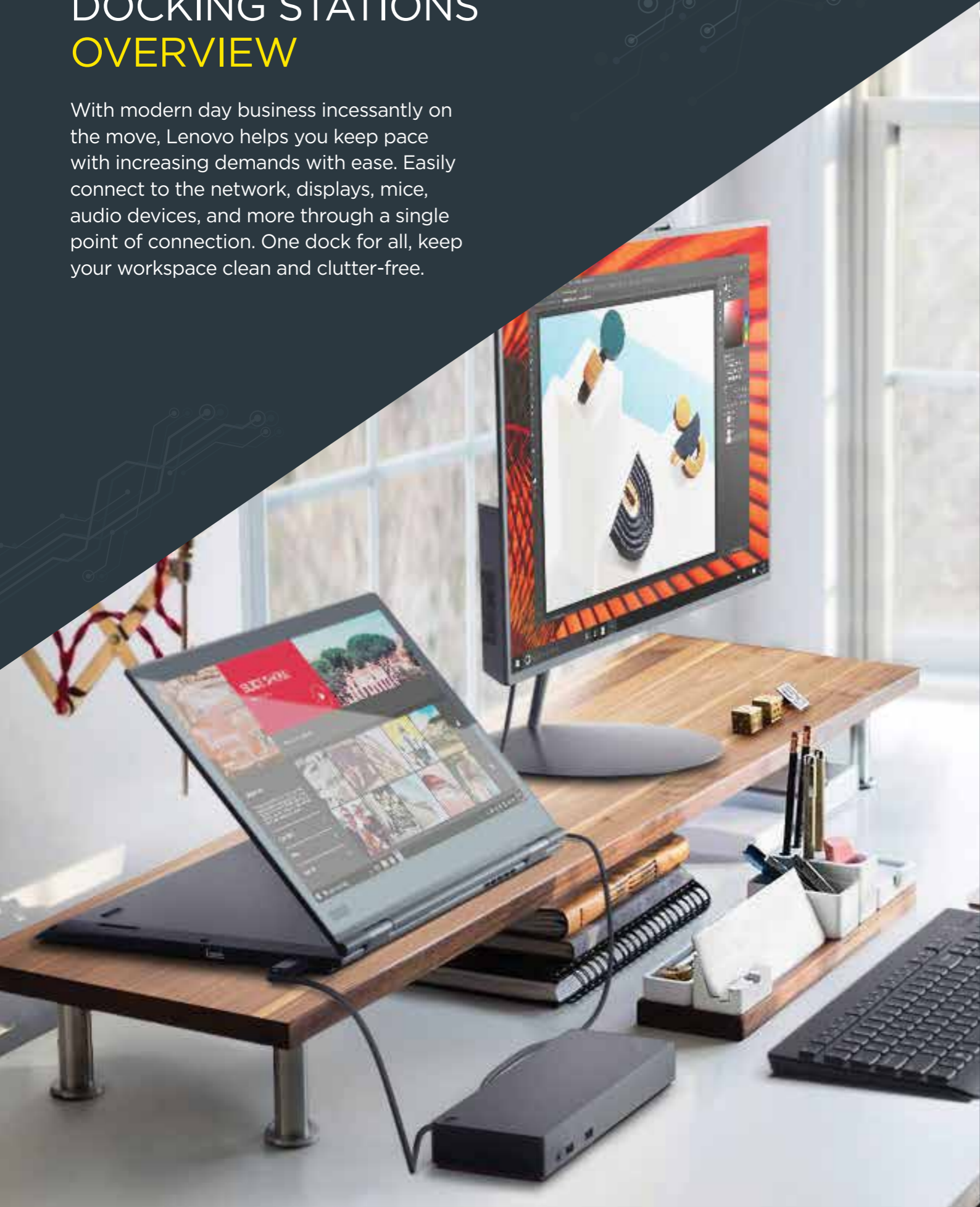
HASSLE-FREE COMPATIBILITY



All docks are meticulously tested with each laptop, mobile workstation, and tablet under real-life use scenarios. For example, ThinkPad laptops are "hot ejected" over 100 times because we know how often users go from desk to meeting room throughout the day. For a full list of compatibility by dock and laptops, please check www.lenovo.com/accessoriesguide

DOCKING STATIONS OVERVIEW

With modern day business incessantly on the move, Lenovo helps you keep pace with increasing demands with ease. Easily connect to the network, displays, mice, audio devices, and more through a single point of connection. One dock for all, keep your workspace clean and clutter-free.



MECHANICAL DOCKING STATION



USB-C DOCK



THUNDERBOLT™ DOCK



USB 3.0 DOCK



DOCKING BRACKET



USB-C HUB



THINKPAD MECHANICAL DOCKING STATIONS (2018)

ThinkPad Docking Stations provides the best docking experience for Large Enterprise ThinkPad customers. The innovative side connector, designed exclusively for ThinkPad laptops, provides a driver-free way to connect conveniently and securely to a range of USB accessories and external displays, while rapid charging support and a mirrored power button make going mobile even easier. It is compatible with almost all 2018 T, L, X series, X1 Carbon and P52s on ThinkPad laptops.



THINKPAD BASIC DOCKING STATION



The innovative ThinkPad Basic Docking Station side-connector maintains the same intuitive one-step docking experience commercial customers have come to expect. It satisfies the basic office needs such as data transfer, video, audio and power, and is best suited for small enterprises looking for mechanical docking solutions at an affordable price.

THINKPAD PRO DOCKING STATION

The ThinkPad Pro Docking Station delivers 5 Gbps high-speed data through three USB 3.1 ports, and up to two UHD displays. Combined with a 135W adapter, it is the perfect desktop expansion solution for graphic-intensive work.



THINKPAD ULTRA DOCKING STATION



The ThinkPad Ultra Docking Station delivers 10 Gbps high-speed data through four USB 3.1 ports, and up to three UHD displays. Combined with a 135W adapter, it is perfect for the customer who is looking for industry leading docking performance.

SPECIFICATIONS COMPARISON



THINKPAD MECHANICAL DOCKING STATIONS (2018) COMPARISON TABLE

	ThinkPad Basic Dock	ThinkPad Pro Dock	ThinkPad Ultra Dock
Part Number	40AG0090xx	40AH0135xx	40AJ0135xx
Connectivity	Side-connector	Side-connector	Side-connector
Video Ports	Video 1 : DisplayPort™ 1.4 ² Video 1 : VGA	Video 1 : DisplayPort™ 1.4 Video 2 : DisplayPort™ 1.4	Video 1 : DisplayPort™ 1.4 Video 2 : HDMI™ 2.0 Video 3 : DisplayPort™ 1.4 Video 3 : VGA
Maximum Video Output	1 x 4K @ 60 Hz ³	2 x 4K @ 60 Hz ³	3 x 4K @ 60 Hz ³
Maximum Number of Displays	1	2	3
USB Ports	2 x USB 3.1 Gen 1 ¹ (5 Gbps, 1 x always power-on) 2 x USB 2.0	3 x USB 3.1 Gen 1 ¹ (5 Gbps, 1 x always power-on) 2 x USB 2.0 1 x USB-C (5 Gbps data, 5V/3A bus power)	4 x USB 3.1 Gen 2 ¹ (10 Gbps, 1 x always power-on) 2 x USB-C (10 Gbps data, 5V/3A bus power)
Ethernet (RJ45)	Gigabit		
Audio	Stereo/Microphone combo		
Power Adapter Inside the Box	90W	135W	135W
Maximum Power for Laptop Charging	65W	85W	65W
Power Button to Control System Power	Selected ThinkPad laptops		
PXE Boot	Selected ThinkPad laptops		
MAC Address Pass-through	Selected ThinkPad laptops		
Wake-on-LAN	Sleep, Hibernation and Power-off mode on Selected ThinkPad laptops		
Warranty	3 years		
Support Systems ⁴	ThinkPad 2018 T Series, L Series, X1 Carbon, X280, P52s		

¹ Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen 1; 10 Gbit/s for USB 3.1 Gen 2 & 20 Gbit/s for USB 3.2.

² An active adapter is required to convert DisplayPort™ to HDMI™ or VGA or other video ports.

³ Actual display resolution is subject to your system's video output capability.

⁴ For the latest compatibility information, please check the Accessories Compatibility Guide on www.lenovo.com/accessoriesguide, or visit: <http://accsmartfind.lenovo.com>

THINKPAD MECHANICAL DOCKING STATIONS (2013)

ThinkPad Mechanical Docking Solutions are designed to complement ThinkPad laptops and provide you with reliable connectivity to all peripherals and power.



THINKPAD ULTRA DOCK (90W)



The ThinkPad Ultra Dock satisfies many everyday office needs and more; convenient security, IT manageability, robust and commercial-grade port expansion. Supporting up to three additional displays.

THINKPAD WORKSTATION DOCK

The ThinkPad Workstation Docking Station is our most premium expansion experience, tailor made for ThinkPad Workstation users that require performance. In addition to a full array of six USB 3.0 ports, this docking station comes equipped with a 230W power adapter.



SPECIFICATIONS COMPARISON



THINKPAD MECHANICAL DOCKING STATIONS (2013) COMPARISON TABLE

	ThinkPad Ultra Dock (90W)	ThinkPad Workstation Dock
Part Number	90W : 40A20090xx	40A50230xx
Video Ports	Video 1 : VGA Video 2 : DVI-D Video 2 : DisplayPort™ 1.2 Video 3 : HDMI™ 1.4 Video 3 : DisplayPort™ 1.2	Video 1 : VGA Video 2 : DVI-D Video 2 : DisplayPort™ 1.2 Video 3 : HDMI™ 1.4 Video 3 : DisplayPort™ 1.2
Maximum Number of Displays	3	3
USB Ports	3 x USB 3.0 ¹ 3 x USB 2.0 (1 x always power-on)	6 x USB 3.0 ¹ (1 x always power-on)
Ethernet (RJ45)	Gigabit	
Audio	Stereo/Microphone combo	Stereo/Microphone combo
Security	Key lock Kensington® cable lock slot	Key lock Kensington® cable lock slot
Power Adapter	90W/135W/170W	230W
Warranty	1 year	
Support Systems ²	Compatible with ThinkPad laptops (Series T, X, W, L) released prior to 2018	ThinkPad P Series

¹ Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen 1; 10 Gbit/s for USB 3.1 Gen 2 & 20 Gbit/s for USB 3.2.

² For the latest compatibility information, please check the Accessories Compatibility Guide on www.lenovo.com/accessoriesguide, or visit: <http://accsmartfind.lenovo.com>

THINKPAD **USB-C** DOCKING STATIONS

The ThinkPad USB-C Docks are the new generation of universal docking solutions based on the latest USB-C and DisplayLink technology. They provide high-speed data transfer, support UHD 4K resolution, and rapid charging to ThinkPad selected laptops.



THINKPAD HYBRID USB-C WITH USB-A DOCK



The ThinkPad Hybrid USB-C with USB-A dock expands the capabilities of almost any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manageability like PXE boot and MAC address pass-through, the ThinkPad Hybrid USB-C with USB-A offers three high-speed USB 3.1 ports, up to two UHD 4K resolution, and rapid charging on ThinkPad selected laptops with USB-C connection. And with the included USB-C to USB-A adapter, it can provide port replication to non-USB-C laptops.

THINKPAD USB-C DOCK

The ThinkPad USB-C Dock is the ideal hub, as part of an emerging industry-standard, for transmitting data, video and power to your USB-C compatible laptops. With unprecedented USB-C productivity, you can enjoy vivid display across multiple screens, charge your system, connect legacy USB peripherals, wired networks, and charge your mobile devices. Perfect for a hoteling environment, shared workspace, or enterprises with high security requirements.



THINKPAD USB-C DOCK GEN 2



With our ThinkPad USB-C Dock Gen 2's one-cable universal docking solutions, you can say goodbye to limitations and enjoy vivid 4K displays or multiple 1080p screens, charge your notebook, connect legacy USB peripherals, wired networks, and rapidly charge your mobile devices.

SPECIFICATIONS COMPARISON

THINKPAD USB-C DOCKING STATIONS COMPARISON TABLE

	ThinkPad Hybrid USB-C with USB-A Dock	ThinkPad USB-C Dock	ThinkPad USB-C Dock Gen 2
Part Number	40AF0135xx	40A90090xx	40AS0090xx
Connectivity	USB-C cable with USB-C to USB-A dongle	USB-C cable	USB-C cable
Video Ports	2 x DisplayPort™ 2 x HDMI™	2 x DisplayPort™ 1 x VGA	2 x DisplayPort™ 1 x HDMI™
Maximum Video Output	2 x 4K @ 60 Hz	1 x 4K @ 30 Hz, or 2 x 1080p ²	1 x 4K @ 60 Hz ² 2 x 4K @ 30 Hz 3 x 1080p @ 60 Hz
Maximum Number of Displays	2	2	3
USB Ports	2 x USB 2.0 3 x USB 3.1 Gen 2 ¹ (10 Gbps, 1 x always-on charging) 1 x USB-C (10 Gbps, 5V/3A)	2 x USB 2.0 3 x USB 3.0 ¹ (5 Gbps, 1 x always-on charging) 1 x USB-C (10 Gbps, 5V/3A)	2 x USB-A 2.0 3 x USB-A 3.1 Gen 2 ¹ (10 Gbps, 1 x always-on charging) 1 x USB-C (10 Gbps, data, 5V/3A)
Ethernet (RJ 45)	Gigabit		
Audio	Stereo/Microphone combo		
Power Adapter Inside the Box	135W	90W	90W
Maximum Power for Laptop Charging	90W (with USB-C connection)	60W	60W
Power Button to Control System Power	Selected ThinkPad laptops		
PXE Boot	Selected ThinkPad laptops		
MAC Address Pass-through	Selected ThinkPad laptops		
Wake-on-LAN	Sleep, Hibernation and Power-off mode		
Warranty	3 years		
Support Systems ³	ThinkPad laptops and selected Lenovo laptops	2018/2019 Selected ThinkPad systems	

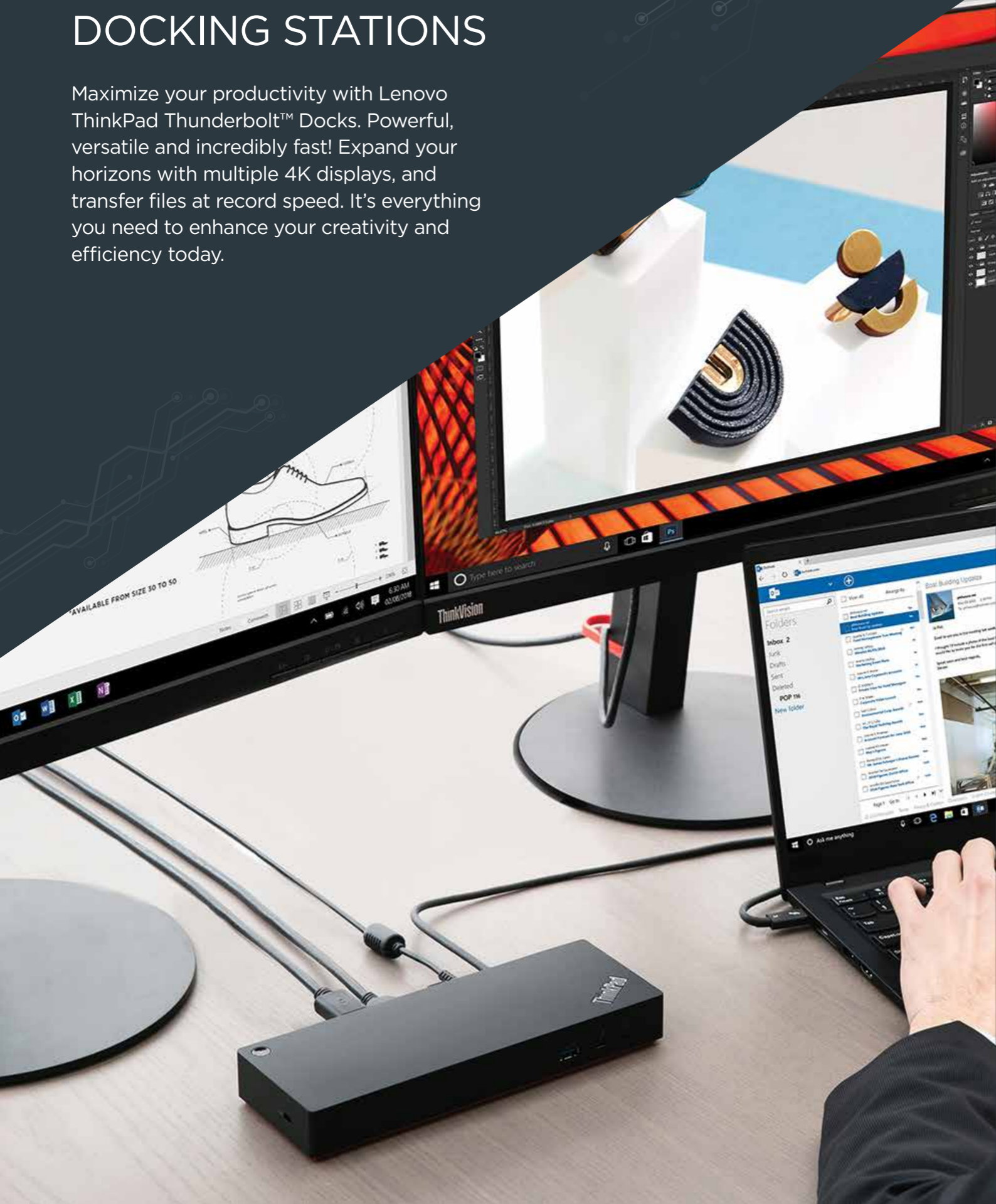
¹ Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen 1; 10 Gbit/s for USB 3.1 Gen 2 & 20 Gbit/s for USB 3.2.

² Actual display resolution is subject to your system's video output capability.

³ For the latest compatibility information, please check the Accessories Compatibility Guide on www.lenovo.com/accessoriesguide, or visit: <http://accsmartfind.lenovo.com>

THINKPAD THUNDERBOLT™ DOCKING STATIONS

Maximize your productivity with Lenovo ThinkPad Thunderbolt™ Docks. Powerful, versatile and incredibly fast! Expand your horizons with multiple 4K displays, and transfer files at record speed. It's everything you need to enhance your creativity and efficiency today.



THINKPAD THUNDERBOLT™ 3 DOCK



Powered by innovative Intel® Thunderbolt™ 3 technology, the ThinkPad Thunderbolt™ 3 Dock delivers the fastest, most versatile docking experience. With 40 Gbps, it's four times faster than the data of any other cable; twice the video bandwidth enables it to support two 4K monitors; it can also simultaneously rapid charge your ThinkPad laptop via the Thunderbolt™ port.

THINKPAD THUNDERBOLT™ 3 DOCK GEN 2

Getting ready for work is easier than ever with added support for USB-C notebooks. Lenovo ThinkPad Thunderbolt™ 3 Dock Gen 2 allows you to instantly expand your horizons with multiple 4K displays, handle heavy graphics and video editing with ease, and transfer files at record speed.



THINKPAD THUNDERBOLT™ 3 WORKSTATION DOCK



This Intel® Thunderbolt™ chipset powered workstation dock was invented to optimize your ThinkPad Mobile Workstation experience. Expand your horizons with multiple 4K displays, handle heavy graphics and video editing, and transfer files at record speed. It's everything you need to enhance your creativity and efficiency today.

SPECIFICATIONS COMPARISON



THINKPAD THUNDERBOLT™ DOCKING STATIONS COMPARISON TABLE

	ThinkPad Thunderbolt™ 3 Dock	ThinkPad Thunderbolt™ 3 Dock Gen 2	ThinkPad Thunderbolt™ 3 Workstation Dock 230W/170W
Part Number	40AC0135xx	40AN0135xx	40AN0230xx; 40AN0170xx
Connectivity	Thunderbolt™ 3 cable	Thunderbolt™ 3 cable	Customized cable with power and data
Video Ports	2 x DisplayPort™ 1 x HDMI™ 1 x VGA 1 x Thunderbolt™ 3 Downstream Port (video/data)	2 x DisplayPort™ 2 x HDMI™ 1 x Thunderbolt™ 3 Downstream Port (video/data)	2 x DisplayPort™ 2 x HDMI™ 1 x Thunderbolt™ 3 Downstream Port (video/data)
Maximum Video Output ²	2 x 4K @ 60 Hz, or 3 x 1080p	2 x 4K @ 60 Hz, or 3 x 1080p	3 x 4K @ 30 Hz or 4 external displays
Maximum Number of Displays	3	3	4
USB Ports	5 x USB 3.0 ¹ (1 x powered, 5V, 2.4A)	5 x USB 3.1 ¹ (10 Gbps; 1 x always-on charging)	5 x USB 3.1 ¹ (10 Gbps; 1 x always-on charging)
Ethernet (RJ 45)	Gigabit		
Audio	Stereo/Microphone combo		
Power Adapter Inside the Box	135W	135W	65W + 230W/170W
Max. Power for Laptop Charging	65W	65W	230W/170W
Power Button to Control System Power	Selected ThinkPad laptops		ThinkPad Mobile WorkStation
PXE Boot			ThinkPad Mobile WorkStation
MAC Address Pass-through			ThinkPad Mobile WorkStation
Wake-on-LAN (Sleep, Hibernation and Power-off mode)			ThinkPad Mobile WorkStation
Warranty	3 years		
Support Systems ³	2018 ThinkPad laptops and selected Lenovo laptops	2018/2019 selected ThinkPad Thunderbolt™ and USB-C enabled systems	ThinkPad Thunderbolt™ 3 Dock 170W: P1/X1 Extreme, P52 ThinkPad Thunderbolt™ 3 Dock 230W: P1/X1 Extreme, P52, P72

¹ Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen 1; 10 Gbit/s for USB 3.1 Gen 2 & 20 Gbit/s for USB 3.2.

² Actual display resolution is subject to your system's video output capability.

³ For the latest compatibility information, please check the Accessories Compatibility Guide on www.lenovo.com/accessoriesguide, or visit: <http://accsmartfind.lenovo.com>

THINKPAD USB 3.0 DOCKING STATIONS

Connecting to the dock is fast, convenient and you only need one cable connection for a complete desktop setup. ThinkPad USB 3.0 Docks are universally trusted docking solutions that provide video and audio outputs, network accessing, and also enable data transfer or mobile device charging via USB 3.0 ports on the dock.



THINKPAD USB 3.0 PRO DOCK

The ThinkPad USB 3.0 Pro Dock has DisplayPort™ and DVI digital video outputs (including DVI to VGA dongle) that satisfy most of your needs. The dual video support, multiple USB ports, audio and ethernet enable you to do more and spend less time connecting peripherals.



THINKPAD USB 3.0 ULTRA DOCK

The ThinkPad USB 3.0 Ultra Dock has DisplayPort™ and HDMI™ digital video outputs that provide up to 4K2K video output (via DisplayPort™), and a new horizontal form factor that enhances the stability.



SPECIFICATIONS COMPARISON



THINKPAD USB 3.0 DOCKING STATIONS COMPARISON TABLE

	ThinkPad USB 3.0 Pro Dock	ThinkPad USB 3.0 Ultra Dock
Part Number	40A70045xx	40A80045xx
Video Ports	1 x DVI-1 1 x DisplayPort™ 1.2 (Including DVI to VGA adapter)	1 x DisplayPort™ 1.2 1 x HDMI™ 1.4
Maximum Number of Displays	2	2
USB Ports	3 x USB 3.0 ¹ (1 x powered, 2.4A) 2 x USB 2.0	4 x USB 3.0 ¹ 2 x USB 2.0 (2 x powered, 2.4A)
Ethernet (RJ45)	Gigabit	
Audio	Stereo/Microphone combo	
Security	Kensington® cable lock slot	
Power Adapter ²	45W	65W
Warranty	3 years	3 years
Support Systems ³	ThinkPad laptops and selected Lenovo laptops	

¹ Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen 1; 10 Gbit/s for USB 3.1 Gen 2 & 20 Gbit/s for USB 3.2.

² USB 3.0 Dock power adapter doesn't charge the laptops.

³ For latest compatibility information, please check the Accessories Compatibility Guide on www.lenovo.com/accessoriesguide or visit: <http://accsmartfind.lenovo.com>

LENOVO POWERED USB-C TRAVEL HUB

One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited productivity inside your everyday bag. Pair with 2018/2019 selected ThinkPad systems for best results and powerful enterprise features.



SPECIFICATIONS

	Lenovo Powered USB-C Travel Hub
Part Number	ROW : 4X90S92381 PRC : 4X90S92382
Connectivity	USB-C cable
Video Ports	1 x HDMI™ 1 x VGA
Maximum Video Output	1 x 4K @ 60 Hz
Maximum Number of Displays	1
USB Ports	1 x USB-A 3.0 ¹ 1 x USB-A 2.0 1 x USB-C power pass-through
Ethernet	Gigabit
Audio	N/A
Power Consumption	15W; could be powered by a system ² without additional AC adapter
USB-C Power Pass-through for Laptop Charging	Able to work with Lenovo 45W & 65W USB-C power adapter ³ , charging Lenovo USB-C laptops
PXE Boot	Selected ThinkPad laptops
MAC Address Pass-through	Selected ThinkPad laptops
Wake-on-LAN	Selected ThinkPad laptops
Warranty	1 year
Support Systems	2018/2019 Selected ThinkPad and Lenovo machines

¹ Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: - 5 Gbit/s for USB 3.1 Gen 1; 10 Gbit/s for USB 3.1 Gen 2 & 20 Gbit/s for USB 3.2.

² Need System USB-C port designed with full function: 5V/3A Bus power.

³ Power adapter sold separately.



LENOVO DOCKING STATION MOUNTING KIT

The Lenovo Docking Station Mounting Kit is the perfect solution for professionals who need a clutter-free workspace that doesn't cramp their style. Rather than messing up your desk with a tangle of cables, you can now hide your docking station neatly underneath your desk or behind your ThinkVision monitor stand.



SPECIFICATIONS

Lenovo Docking Station Mounting Kit	
Part Number	4XF0S99497
Ship Group	1 x Docking Bracket 1 x Monitor - Stand Bracket 1 x Cable Clip
Dimensions (W x D x H)	Packed (mm) 180 x 125 x 103
	Unpacked (mm)
	Docking Bracket : 245 x 87 x 55 Monitor-Stand Bracket : 80 x 90 x 50 Cable Clip : 55 x 40 x 10
Weight	Packed Weight : 0.42 kg
	Unpacked Weight : 0.32 kg
Compatible Dock	ThinkPad USB 3.0 Basic Dock ThinkPad USB 3.0 Pro Dock ThinkPad USB 3.0 Ultra Dock ThinkPad USB-C Dock Gen 2 ThinkPad Thunderbolt™ 3 Dock ThinkPad Hybrid USB-C with USB-A Dock ThinkPad Thunderbolt™ 3 Workstation Dock ThinkPad Thunderbolt™ 3 Dock Gen 2
Compatible Monitor	ThinkVision Monitors: P24H-10, P24q-10, P27u-10, P27h-10, P27q-10, T2054p, T2254, T2254p, T23d, T24d, T22i, T23i, T24i, T27i, T22v, T24m, T24v, New LT1913p, T1714p





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