

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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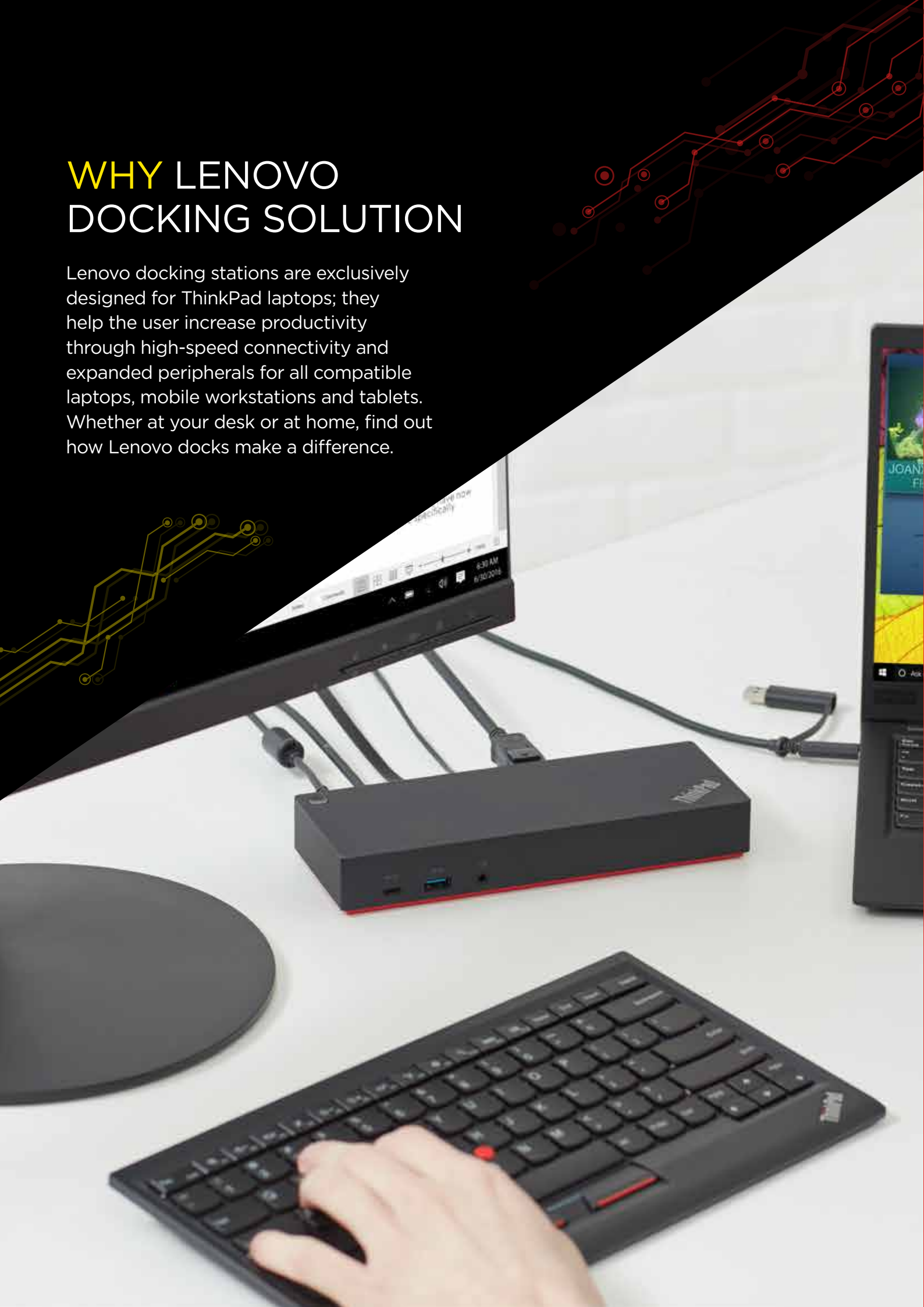
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WHY LENOVO DOCKING SOLUTION

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



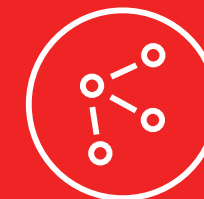
Every dock is thoroughly tested to deliver the promise of ThinkPad quality. Be it the 7,000+ cable bending tests, or the 48-hour extreme temperature testing cycles, ThinkPad docks stand up to both the name and your work environment.

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, 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 being 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 AND THUNDERBOLT™ DOCK

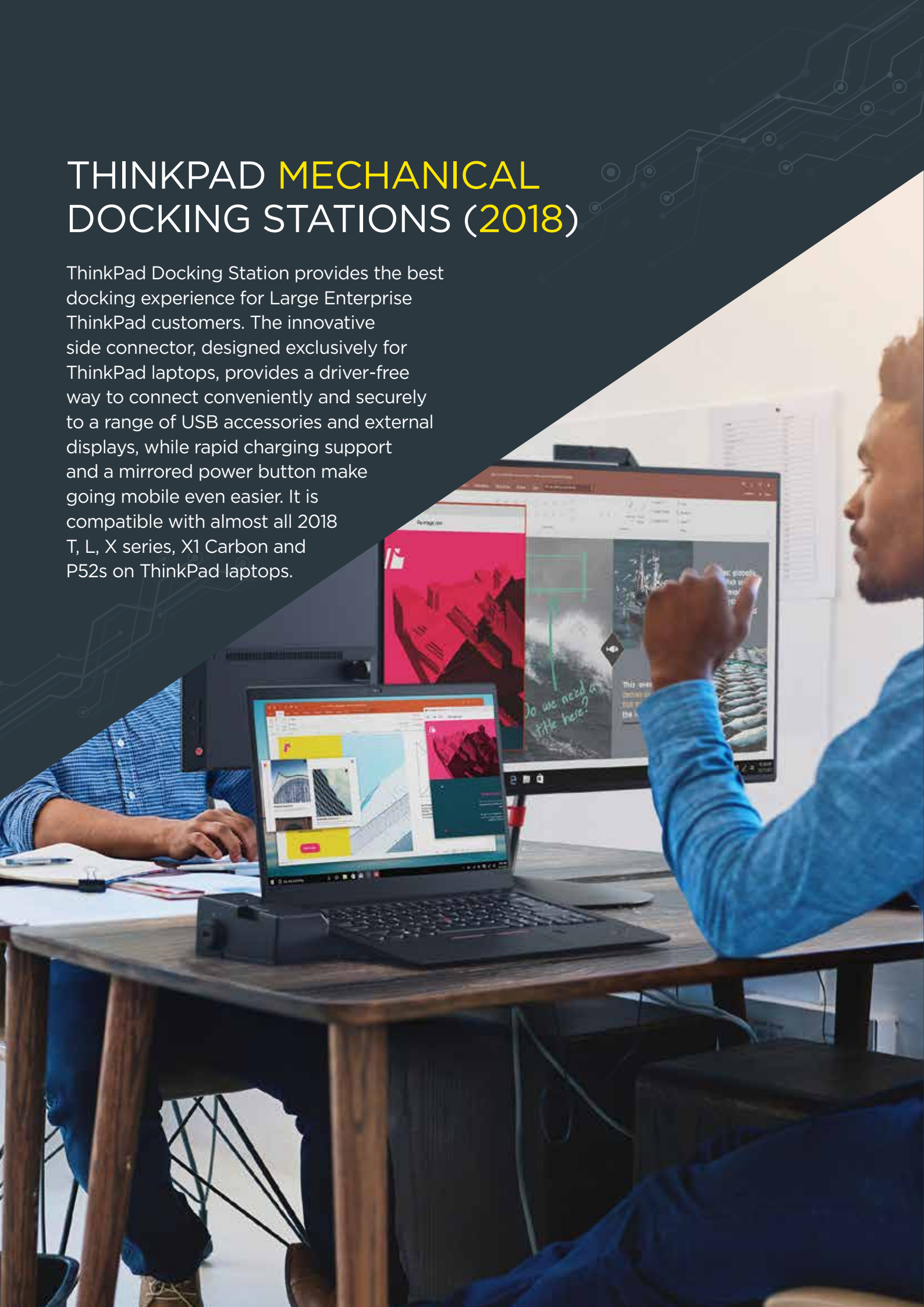


USB 3.0 DOCK



THINKPAD MECHANICAL DOCKING STATIONS (2018)

ThinkPad Docking Station 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 it's best suited for small enterprise looking for mechanical docking solution with affordable price.

THINKPAD PRO DOCKING STATION*

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



THINKPAD ULTRA DOCKING STATION



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 the perfect for customer who is looking for industry leading docking performance.

* Basic and Pro docking station ports available in Black or Colored.

SPECIFICATIONS COMPARISON



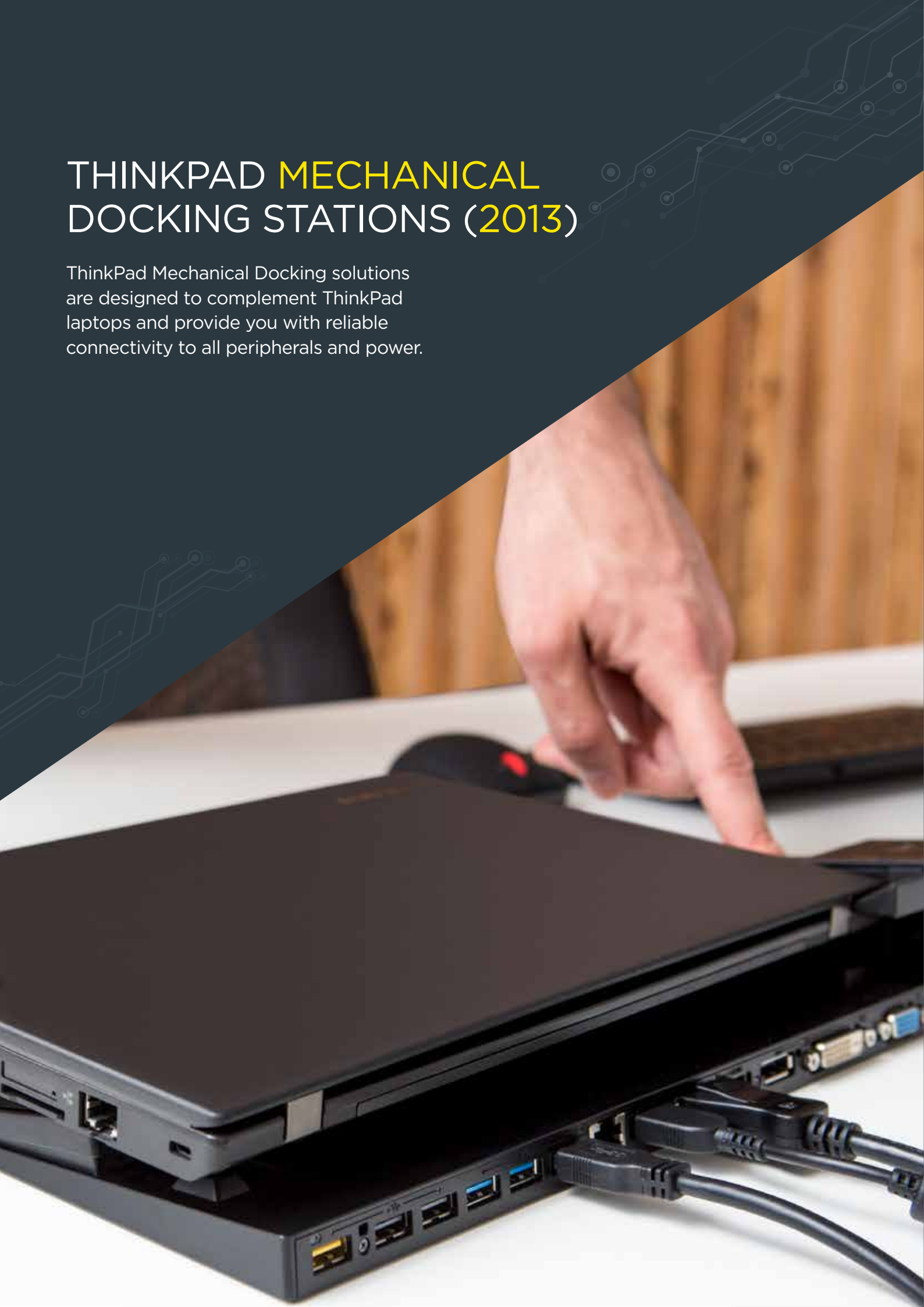
THINKPAD MECHANICAL DOCKING STATIONS (2018) COMPARISON TABLE

	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 ¹ 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 ²	2 x 4K @ 60 Hz ²	3 x 4K @ 60 Hz ²
Maximum Number of Displays	1	2	3
USB Ports	2 x USB 3.1 Gen 1 (5 Gbps, 1 x always power-on) 2 x USB 2.0	3 x USB 3.1 Gen 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 (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 ³	ThinkPad 2018 T Series, L Series, X1 Carbon, X280, P52s		

¹ An active adapter is required to convert DisplayPort™ to HDMI™ or VGA or other video ports.
² Actual display resolution is subject to your system's video out 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 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 BASIC DOCK



The ThinkPad Basic Dock satisfies many everyday office needs; convenient security, IT manageability, port expansion, and an additional VGA display connection.

THINKPAD PRO DOCK

The ThinkPad Pro Docking Station, like its Basic counterpart provides the same manageability and security features, but a much richer selection of USB port and display options, with two more USB 3.0 ports, VGA, DisplayPort™ 1.2, and HDMI™ ports capable of delivering dual displays.



THINKPAD ULTRA DOCK



Without increasing the physical dimensions, the ThinkPad Ultra Docking Station provides even more robust and commercial-grade 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



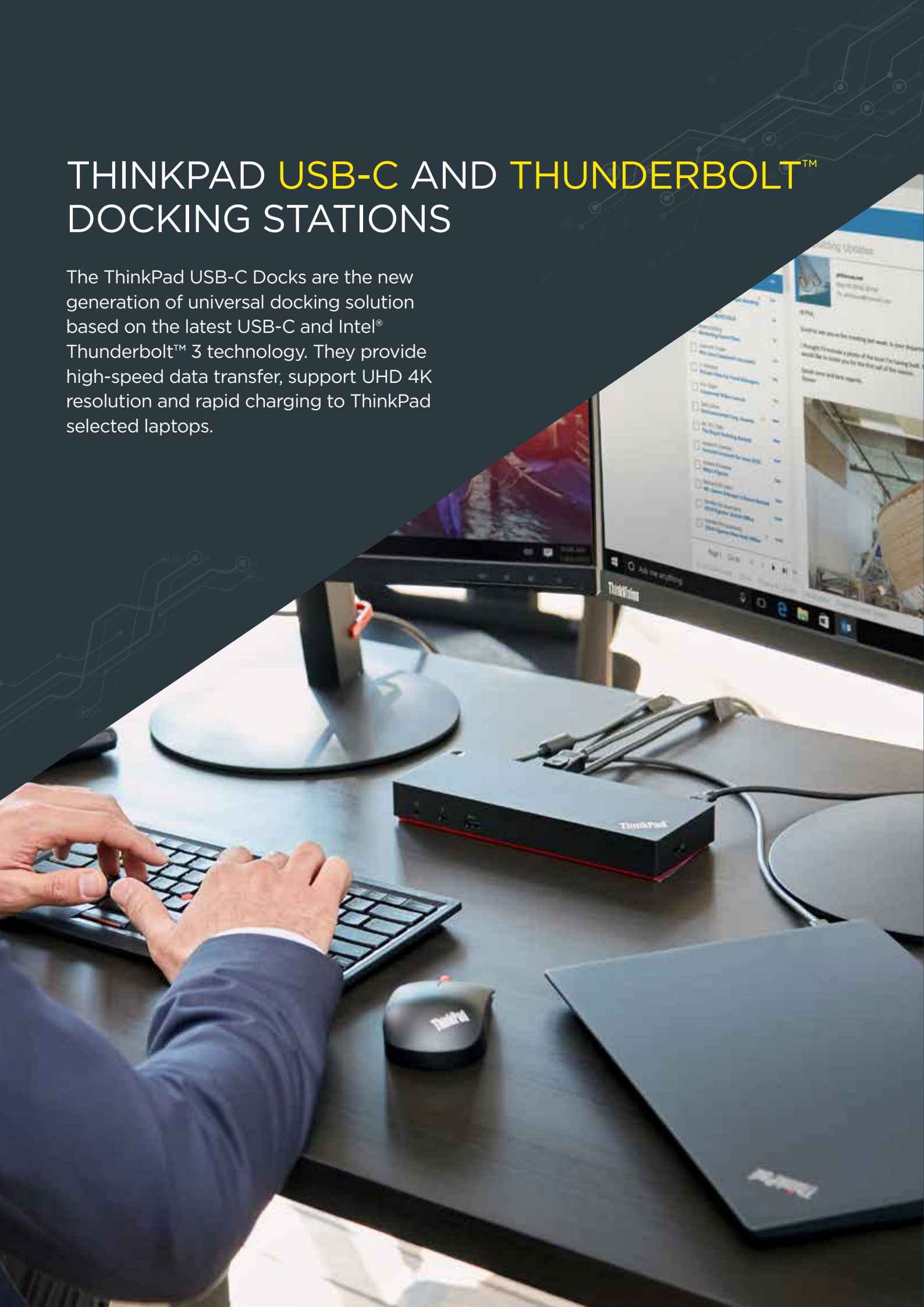
THINKPAD MECHANICAL DOCKING STATIONS (2013) COMPARISON TABLE

	ThinkPad Basic Dock	ThinkPad Pro Dock	ThinkPad Ultra Dock	ThinkPad Workstation Dock
Part Number	65W : 40A00065xx 90W : 40A00090xx	65W : 40A10065xx 90W : 40A10090xx	90W : 40A20090xx 135W : 40A20135xx 170W : 40A20170xx	40A50230xx
Video Ports	VGA	Video 1 : VGA Video 2 : DVI-D Video 2 : 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	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	1	2	3	3
USB Ports	1 x USB 3.0 3 x USB 2.0 (1 x always power-on)	3 x USB 3.0 3 x USB 2.0 (1 x always power-on)	3 x USB 3.0 3 x USB 2.0 (1 x always power-on)	6 x USB 3.0 (1 x always power-on)
Ethernet (RJ45)	Gigabit			
Audio	None	Stereo/Microphone combo	Stereo/Microphone combo	Stereo/Microphone combo
Security	Kensington® cable lock slot	Key lock Kensington® cable lock slot	Key lock Kensington® cable lock slot	Key lock Kensington® cable lock slot
Power Adapter	None/65W/90W	65W/90W	90W/135W/170W	230W
Warranty	1 year			
Support System*	Compatible with ThinkPad laptops (Series T, X, W, L) released prior to 2018			ThinkPad P Series

* 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 AND THUNDERBOLT™ DOCKING STATIONS

The ThinkPad USB-C Docks are the new generation of universal docking solution based on the latest USB-C and Intel® Thunderbolt™ 3 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 most 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 dual 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 network, and charge your mobile devices. Perfect for a hoteling environments, shared workspace, or enterprises with high security requirements.



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 charging your ThinkPad laptop via the Thunderbolt™ port.

SPECIFICATIONS COMPARISON



THINKPAD USB-C AND THUNDERBOLT™ DOCKING STATIONS COMPARISON TABLE

	ThinkPad Hybrid USB-C with USB-A Dock	ThinkPad USB-C Dock	ThinkPad Thunderbolt™ 3 Dock
Part Number	40AF0135xx	40A90090xx	40AC0135xx
Connectivity	USB-C cable with USB-C to USB-A dongle	USB-C cable	Thunderbolt™ 3 cable
Video Ports	2 x DisplayPort™ 2 x HDMI™	2 x DisplayPort™ VGA	2 x DisplayPort™ HDMI™ VGA
Maximum Video Output	2 x 4K @ 60 Hz ¹	1 x 4K @ 30 Hz, or 2 x 1080p ¹	2 x 4K @ 60 Hz, or 3 x 1080p ¹
Maximum Number of Displays	2	2	3
Size	210 x 80 x 30 mm	175 x 80 x 32.5 mm	230 x 80 x 30 mm
Solution	DisplayLink® 5 serial + PD	Alternate Mode	Intel® Thunderbolt™ 3 Alpine Ridge
USB Ports	2 x USB 2.0 3 x USB 3.1 Gen 2 (10 Gbps, 1 x always power-on) 1 x USB-C (USB data only, 5V, 3A power)	2 x USB 2.0 3 x USB 3.0 (1 x powered, 5V, 2.4A) 1 x USB-C (USB data only, 5V, 3A)	5 x USB 3.0 (1 x powered, 5V, 2.4A) 1 x USB-C (Thunderbolt™, 5V, 3A)
Ethernet (RJ45)	Gigabit		
Audio	Stereo/Microphone combo		
Power Adapter Inside the Box	135W	90W	135W
Maximum Power for Laptop Charging	90W (with USB-C connection)	60W	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		
Warranty	3 years		
Support Systems ²	ThinkPad laptops and selected Lenovo laptops		

¹ Actual display resolution is subject to your system's video out capability.
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 3.0 DOCKING STATIONS

Connecting to the dock is fast, convenient and 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 BASIC DOCK



The ThinkPad USB 3.0 Basic Dock allows you to connect all peripherals via a single USB 3.0 cable; you will be able to enjoy the basic display expansion, audio, video, data and enjoy the clutter-free workspace.

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 Basic Dock	ThinkPad USB 3.0 Pro Dock	ThinkPad USB 3.0 Ultra Dock
Part Number	40AA0045xx	40A70045xx	40A80045xx
Video Ports	DVI-I (Including DVI to VGA adapter)	1 x DVI-I 1 x DisplayPort™ 1.2 (Including DVI to VGA adapter)	1 x DisplayPort™ 1.2 1 x HDMI™ 1.4
Maximum Number of Displays	1	2	2
USB Ports	2 x USB 3.0 (1 x always power-on) 2 x USB 2.0	3 x USB 3.0 (1 x powered, 2.4A) 2 x USB 2.0	4 x USB 3.0 2 x USB 2.0 (2 x powered, 2.4A)
Ethernet (RJ45)	Gigabit		
Audio	Stereo/Microphone combo		
Security	Kensington® cable lock slot		
Power Adapter ¹	45W	45W	65W
Warranty	1 year	3 years	3 years
Support Systems ²	ThinkPad laptops and selected Lenovo laptops		

¹ USB 3.0 Dock power adapter doesn't charge the laptops.
² For latest compatibility information, please check the Accessories Compatibility Guide on www.lenovo.com/accessoriesguide or visit: <http://accsmartfind.lenovo.com>



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