

# Tested peripherals for new Surface devices

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Surface engineering has tested various external monitors, docks, cables, and adapters to bring you the best experience on select new Surface devices, starting with Surface Pro 9. See the tables below for tested peripherals across port connections including Surface Connect, USB-C, Display Port, HDMI, and Thunderbolt.

## ⓘ Note

The testing results shown here cover popular in-market peripherals but are not intended to be comprehensive. Based on our research, we estimate that customers will have a generally positive experience with these peripherals. Still, many peripherals not shown here may function as expected.

## 💡 Tip

For the best experience, be sure to get the latest updates. To manage your options and see available updates, select **Start > Settings > Windows Update**.

## Surface Pro 9 & Surface Pro 9 with 5G

### Tested monitors for Surface Pro 9

USB-C	Display Port	Thunderbolt	HDMI
- ASUS PA247CV	- ASUS PA27A	- ASUS PA27A	- Viewsonic VA2447-MH
- ASUS PA278CV	- ASUS VG279QM	- BenQ PD3220U	
- Dell C2422HE	- Dell U3421WE		
- Dell P2720DC	- HP X24iH		
- Dell P2721Q	- LG 27UL850-W		
- Dell U2720Q	- LG 34GN850-B		
- Dell U3421WE			
- LG 27UL850-W			

## Tested monitors for Surface Pro 9 with 5G

USB-C	Display Port	HDMI
<ul style="list-style-type: none"> <li>- ASUS PA247CV</li> <li>- ASUS PA247CV</li> <li>- Dell C2422HE</li> <li>- Dell P2720DC</li> <li>- Dell P2721Q</li> <li>- Dell U2720Q</li> <li>- Dell U3421WE</li> <li>- LG 27UL850-W</li> </ul>	<ul style="list-style-type: none"> <li>- ASUS PA247CV</li> <li>- ASUS PA27A</li> <li>- ASUS VG279QM</li> <li>- BenQ PD3220U</li> <li>- Dell C2422HE</li> <li>- Dell P2720DC</li> <li>- Dell P2721Q</li> <li>- Dell U2720Q</li> <li>- Dell U3421WE</li> <li>- HP X24iH</li> <li>- LG 27UL850-W</li> </ul>	<ul style="list-style-type: none"> <li>- HP X24iH</li> <li>- Viewsonic VA2447-MH</li> </ul>

## Tested docks for Surface Pro 9

Surface Connect	USB-C	Thunderbolt
<ul style="list-style-type: none"> <li>- Surface Dock 1</li> <li>- Surface Dock 2</li> </ul>	<ul style="list-style-type: none"> <li>- Dell WD19DC</li> <li>- Pluggable ULT-CDL</li> </ul>	<ul style="list-style-type: none"> <li>- Surface Thunderbolt 4 Dock</li> <li>- Cal Digit TS3 Thunderbolt Station 3</li> <li>- Dell WD19TB</li> <li>- Kensington SD5700T Thunderbolt 4 Dock</li> <li>- Lenovo ThinkPad Thunderbolt 3 Dock Gen 2 - Model# DK1841</li> </ul>

## Tested docks for Surface Pro 9 with 5G

Surface Connect	USB-C
<ul style="list-style-type: none"> <li>- Surface Dock 1</li> <li>- Surface Dock 2</li> </ul>	<ul style="list-style-type: none"> <li>- Surface Thunderbolt 4 Dock</li> <li>- Dell WD19DC</li> <li>- Pluggable ULT-CDL</li> </ul>

## Tested cables for Surface Pro 9

USB-C to USB-C	Thunderbolt to Thunderbolt	Display Port	USB-C to Display Port	HDMI to HDMI
- j5Create USB-C Cable	- Cable Matters 107032-BLK-0.8m - SIIG CB-TB0011-S1	- CableMatters Display Port Cable - Club3D Display Port Cable - Monoprice Display Port Cable	- <b>Designed for Surface:</b> Moshi USB-C to Display Port Cable (99MO084102)	- BlueRigger HDMI Cable

## Tested cables for Surface Pro 9 with 5G

USB-C to USB-C	Display Port to Display Port	USB-C to Display Port	HDMI to HDMI
- j5Create USB-C Cable	- CableMatters Display Port Cable - Club3D Display Port Cable - Monoprice Display Port Cable	- <b>Designed for Surface:</b> Moshi USB-C to Display Port Cable (99MO084102)	- BlueRigger HDMI Cable

## Tested adapters for Surface Pro 9 & Surface Pro 9 with 5G

USB-C to Display Port	USB-C to HDMI
- Microsoft USB-C to Display Port Adapter - CableMatters USB-C to Display Port Adapter (201086) - Club-3D USB-C to Display Port Adapter (CAC-1507)	- Microsoft USB-C to HDMI Adapter (1857)

## Surface Thunderbolt 4 Dock

Surface Thunderbolt 4 Dock has been tested extensively with popular in-market peripherals to bring you the best docking experience. For host device compatibility with Surface Thunderbolt 4 Dock, refer to [What's new in Surface Thunderbolt 4 Dock](#).

## Tested monitors for Surface Thunderbolt 4 Dock

### ⓘ Note

We designed Surface Thunderbolt 4 Dock as the optimal dock for Surface devices with USB4®/Thunderbolt™ 4 support. The Thunderbolt 4 connection on a host device supports two 4K external displays at up to 60 Hz (when supported by display).

For devices without USB4/Thunderbolt 4 support, the USB-C connection supports one 4K external display at up to 60 Hz (when supported by display). For more details on which Surface devices have USB4/Thunderbolt 4 support, refer to [What's new in Surface Thunderbolt 4 Dock](#).

Thunderbolt	USB-C	Display Port	HDMI
- AOC-U27N3C	- Acer-H277HU	- ACER-XB323QK	- ACER-XB323QK
- Apple-Pro Display XDR 32'	- Acer-XB323QK	- AOC-U27U2D	- AOC-U27U2D
- BenQ-PD3220U	- AOC-U27U2D	- ASUS-MX27U	- ASUS-MX27U
- BenQ-PD2725U	- ASUS-MX27U	- BENQ-PD2725U	- BENQ-PD2725U
- DELL-U4021QW	- DELL-S2718D	- BENQ-PD3220U	- BENQ-PD3220U
- Dell-UP3221Q	- Dell-U2720QM	- DELL-P2415Qb	- DELL-P2415Qb
- LG-32UL950W	- Dell-U2723QE	- DELL-P2715Q	- DELL-P2715Q
- LG-34WK95UW	- Dell-U3223QE	- DELL-S2718D	- DELL-S2716DG
- LG-34WK95U	- Dell-UP2720Q	- DELL-U2414H	- DELL-SE2717H/HK
- LG-27MD5KL	- HP-U28 HDR	- DELL-U2719Dt	- DELL-U2414H
- LG -UltraFine 24MD4KL	- HP-Z27k G3	- DELL-U2720QM	- DELL-U2719Dt
- SAMSUNG-F32TU870VC	- HP-Z32 UHD	- DELL-U2723QE	- DELL-U2723QE
	- Lenovo-P27h20	- DELL-U3223QE	- DELL-U3223QE
	- Lenovo-ThinkVision X1A	- DELL-UP2720Q	- DELL-UP2720Q
	- Lenovo-ThinkVision-P44w 10	- HP-U27	- DELL-UP3221Q
	- LG-27UL850	- HP-U28	- HP-U27
	- LG-27UP850	- HP-Z27k G3	- HP-U28
	- LG-38WK95C	- HP-Z32 UHD	- HP-Z27k G3
	- LG-43UN700	- LENOVO-P27h20	- HP-Z32 UHD
	- PHILIPS-PHL 499P9H1193	- LENOVO-ThinkVision P32u 10	- LENOVO-P27h
		- LG-27NP850	- LENOVO-ThinkVision P32u 10
		- LG-27UL850	- LG-27NP850
		- LG-32UL950-W2	- LG-27UL850
		- PHILIPS-241P6V	- LG-32UL950W
		- PHILIPS-288P6L	- LG-34WK95U
		- SAMSUNG-F32TU870VC	- PHILIPS-PHL 241P6V
		- SAMSUNG-U28E590D	- PHILIPS-PHL 288P6L
		- SAMSUNG-	- SAMSUNG-F32TU870VC

Thunderbolt	USB-C	Display Port	HDMI
		U28H750UQC - SAMSUNG- U32J590UQC - SAMSUNG- U32R590CWC - VIEWSONIC-VP2780	- SAMSUNG-U28E590D - SAMSUNG- U28H750UQC - SAMSUNG- U32J590UQC - SAMSUNG- U32R590CWC - SHARP-60MY5100A Smart TV - SHARP-TV - VIEWSONIC-VP2780

## Tested adapters for Surface Thunderbolt 4 Dock

USB-C to Display Port	USB-C to HDMI	USB-C to USB-A	USB-C to Micro-B USB
- MSFT USB-C to DP Adapter - MSFT USB-C Travel Hub	- MSFT USB-C Travel Hub - MSFT USB-C to HDMI Adapter - Moshi USB-C to HDMI Adapter	- Designed for Surface: : Cable Matters USB-C to USB-A 3.2Gen 1 Adapter	- Designed for Surface: : Cable Matters USB-C to Micro USB 3.1 Gen 2 Cable - 0.3m

## Tested cables for Surface Thunderbolt 4 Dock

Thunderbolt4/USB4	USB-C to USB-C	USB-C to DP	USB-C to HDMI
- Designed for Surface: Cable Matters USB4 40Gbps Cable 1m - Designed for Surface: Cable Matters USB4 Gen 2 20Gbps Cable - Zikko Thunderbolt 4 Cable (2m) - Zikko Thunderbolt 4 Cable (0.8m) - UGREEN Thunderbolt 4 Cable	- Belkin Thunderbolt 3 Cable 2m	- Moshi USB-C to DP Cable (99MO084102) - SUGREEN USB-C to DP Cable	- Designed for Surface: : Cable Matters USB-C to HDMI 2.1 Cable - 1.8m - UGREEN USB-C to HDMI Cable

Thunderbolt4/USB4	USB-C to USB-C	USB-C to DP	USB-C to HDMI
<div>(2m)</div> <div>- UGREEN Thunderbolt 4 Cable</div> <div>(0.8m)</div> <div>- ULT-unite Thunderbolt 4</div> <div>Cable (1m)</div> <div>- ULT-unite Thunderbolt 4</div> <div>Cable (0.8m)</div> <div>- WERO USB4 Cable (1m)</div> <div>- WERO Thunderbolt 4 Cable</div> <div>(1m)</div>			