

Surface Dock 2 overview

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Surface Dock 2, the next-generation Surface dock, lets users connect external monitors and multiple peripherals for a fully modernized desktop experience from a Surface device. Built to maximize efficiency at the office, in a flexible workspace, or at home, Surface Dock 2 features seven ports, including two front-facing USB-C ports, with 15 watts of fast charging power for phones and accessories.

Full device management support

Surface Dock 2 is designed to simplify IT management, enabling admins to automate firmware updates using Windows Update or centralize updates with internal software distribution tools.

- Surface Enterprise Management Mode (SEMM) enables IT admins to secure ports on Surface Dock 2. For more information, see [Secure Surface Dock 2 ports with Surface Enterprise Management Mode](#).
- Windows Management Instrumentation (WMI) support enables IT admins to remotely monitor and manage the latest firmware, policy state, and related data across Surface Dock 2 devices. For more information, see [Manage Surface Dock 2 with WMI](#).
- Centralize updates on your local network using software distribution tools. [Download Surface Dock 2 Firmware and Drivers](#) .

General system requirements

- Windows 10 version 1809 and later. There's no support for Windows 7, Windows 8, or non-Surface host devices. Surface Dock 2 works with the following Surface devices:
 - Surface Pro (5th Gen) and later
 - Surface Laptop (1st Gen) and later
 - Surface Book 2 and later
 - Surface Go and later
 - Surface Laptop Go and later
 - Surface Laptop Studio

Surface Dock 2 Components



USB

- Two front-facing USB-C ports
- Two rear-facing USB-C (gen 2) ports
- Two rear-facing USB-A ports

Video

- Dual 4K@60Hz. Supports up to two displays on the following devices:
 - Surface Laptop Studio
 - Surface Book 3
 - Surface Pro 8
 - Surface Pro 7
 - Surface Pro 7+
 - Surface Pro X
 - Surface Laptop 3
 - Surface Laptop 4
 - Surface Laptop 5
 - Surface Pro 9
 - Surface Pro 9 with 5G
- Dual 4K@30Hz. Supports up to two displays on the following devices:
 - Surface Pro 6
 - Surface Pro (5th Gen)
 - Surface Laptop 2
 - Surface Laptop (1st Gen)
 - Surface Go
 - Surface Go 2
 - Surface Go 3

- Surface Book 2

Ethernet

- 1-gigabit Ethernet port.

External Power supply

- 199 watts supporting 100V-240V.

Compare Surface Dock

Table 1. Surface Dock and USB-C Travel Hub .

Component	Surface Dock	Surface Dock 2	USB-C Travel Hub
Surface Connect	Yes	Yes	No
USB-A	2 front facing USB 3.1 Gen 1 2 rear facing USB 3.1 Gen 1	2 rear facing USB 3.2 Gen 2 (7.5W power)	1 USB 3.1 Gen 2
Mini Display port	2 rear facing (DP1.2)	None	None
USB-C	None	2 front facing USB 3.2 Gen 2 (15W power) 2 rear facing USB 3.2 Gen 2 (DP1.4a) (7.5W power)	1 USB 3.2 Gen 2
3.5 mm Audio in/out	Yes	Yes	Yes
Ethernet	Yes, 1 gigabit	Yes 1 gigabit	Yes, 1 gigabit
DC power in	Yes	Yes	
Kensington lock	Yes	Yes	
Surface Connect cable length	65 cm	80 cm	20 cm
Surface Connect host power	60 W	120 W	N/A
USB load power	30 W	60 W	

Component	Surface Dock	Surface Dock 2	USB-C Travel Hub
USB bit rate	5 Gbps	10 Gbps	10 Gbps
Monitor support	2 x 4K @30Hz, or 1 x 4K @60 Hz	2 x 4K @60 Hz or 1 x 4K @120Hz	1 x 4K @ 60 Hz
Wake-on-LAN from Connected Standby	Yes	Yes	Yes
Wake-on-LAN from S4/S5 sleep modes	No	Yes	Yes
Network PXE boot	Yes	Yes	Yes
SEMM host access control	No	Yes	No
SEMM port access control ¹	No	Yes	No
Servicing support	MSI	Windows Update or MSI	

1. *Software license required for some features. Sold separately.*

Streamlined device management

Surface has released streamlined management functionality via Windows Update enabling IT admins to utilize the following enterprise-grade features:

- **Frictionless updates.** Update your docks silently and automatically, with Windows Update or Microsoft Endpoint Configuration Manager (formerly System Center Configuration Manager - SCCM) or other MSI deployment tools.
- **Wake from the network.** Manage and access corporate devices without depending on users to keep their devices powered on. Even when a docked device is in sleep, hibernation, or power off mode, your team can wake from the network for service and management, using Endpoint Configuration Manager or other enterprise management tools.
- **Centralized IT control.** Control who can connect to Surface Dock 2 by turning ports on and off. Restrict which host devices can be used with Surface Dock 2. Limit dock access to a single user or configure docks for access only by specific users in your team or across the entire company.

Next steps

- [Secure Surface Dock 2 ports with Surface Enterprise Management Mode](#)
- [Surface Enterprise Management Mode](#)
- [Best practice power settings for Surface devices](#)