Spigen PD2307

Spigen ArcDock Pro 14-in-1 Docking Station User Manual

Model: PD2307 | Brand: Spigen

1. INTRODUCTION

The Spigen ArcDock Pro 14-in-1 Docking Station is a versatile and powerful solution designed to expand the connectivity of your laptop or compatible device. With 14 ports, including Thunderbolt 4, HDMI 2.1, DisplayPort 1.4, USB-C, USB-A, SD/Micro SD 4.0, Ethernet, and Audio, it provides comprehensive expansion for enhanced productivity and creativity. This manual will guide you through the setup, operation, and maintenance of your docking station.

2. PACKAGE CONTENTS

Please ensure all items are present in the package:

- Spigen ArcDock Pro Docking Station
- 1x USB-C cable (3.3ft USB4 Gen3 40Gbps, PD3.0 100W)
- 1x AC Cable
- 1x 150W DC Adaptor

3. PRODUCT OVERVIEW

Familiarize yourself with the various ports and components of your Spigen ArcDock Pro Docking Station.

14-in-1 Dock Station.

Figure 3.1: Front and Rear View of the 14-in-1 Docking Station with Port Labels

The docking station features a comprehensive array of ports to meet your connectivity needs. On the front, you will find:

- **Headset Jack:** For connecting headphones or headsets.
- **Micro SD 4.0 UHS-II Slot:** For high-speed Micro SD card data transfer (Max 312MB/s).
- **SD 4.0 UHS-II Slot:** For high-speed SD card data transfer (Max 312MB/s).
- **USB-A 10Gbps Ports (x2):** For connecting USB-A peripherals with high-speed data transfer.
- **USB-C 10Gbps, 30W Port:** For connecting USB-C peripherals and providing up to 30W power delivery.

- **USB4 40Gbps, 15W Port:** For connecting high-speed USB4 devices and providing up to 15W power.
- **Connector to Host (USB4 40Gbps, 96W):** The primary connection to your laptop, supporting up to 96W power delivery.
- **Power Button:** To power on/off the docking station.

On the rear, the ports include:

- **DC-IN 150W:** Power input for the docking station.
- **DisplayPort Max 8K@30Hz (x2):** For connecting external monitors via DisplayPort.
- **HDMI Max 8K@30Hz:** For connecting an external monitor via HDMI.
- **USB-A 5Gbps Ports (x2):** For connecting standard USB-A peripherals.
- **Ethernet Max 2.5Gbps:** For a high-speed wired network connection.
- **Kensington Security Lock:** For securing the docking station.

4. SETUP GUIDE

Follow these steps to set up your Spigen ArcDock Pro Docking Station:

1. **Connect Power:** Connect the provided 150W DC Adaptor to the "DC-IN 150W" port on the rear of the docking station, then plug the AC cable into a power outlet.

2. **Connect to Host Device:** Use the included USB-C cable (USB4 Gen3 40Gbps) to connect the "Connector to Host" port on the docking station to a compatible Thunderbolt 4 or USB-C port on your laptop (e.g., MacBook Pro/Air, Windows laptop).

3. **Connect Peripherals:**

   - **Monitors:** Connect your external monitors to the HDMI and/or DisplayPort outputs on the rear of the docking station. The dock supports up to 8K@30Hz or 4K@60Hz triple monitor setups.
   - **USB Devices:** Plug in your USB-A and USB-C peripherals (e.g., keyboard, mouse, external hard drives) to the available USB ports.
   - **Ethernet:** For a stable wired network connection, connect an Ethernet cable to the 2.5Gbps Ethernet port.
   - **Audio:** Connect your headphones or speakers to the 3.5mm headset jack.
   - **SD/Micro SD Cards:** Insert your SD or Micro SD cards into the respective slots for high-speed data transfer.

4. **Power On:** Press the power button on the front of the docking station. The indicator light should illuminate.

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Video 4.1: Spigen ArcDock Pro Motion Graphic Overview. This video demonstrates the various connections and capabilities of the docking station, including display setup, data transfer, and charging.

5. OPERATING INSTRUCTIONS

5.1. Display Configuration

The ArcDock Pro supports various display configurations:

- **Single Monitor:** Supports up to 8K@30Hz via one DisplayPort 1.4 or HDMI 2.1.
- **Dual/Triple Monitor:** Supports 4K@60Hz across multiple displays.
- **Mac OS Compatibility:** M1/M2/M3 chipset laptops can extend to a maximum of one extended monitor. For dual monitors, one will be extended and the other mirrored. Ensure to use DP2 or HDMI port for M1/M2 chipsets (DP1 is incompatible).
- **Windows Compatibility:** Supports triple monitor setups for extended displays.

Clarity of 8K@30Hz.
Max 8K and up to triple monitor.

*It supports up to 4K@60Hz when using triple monitors.
*The number of monitors that can be expanded varies depending on the OS and device you use.
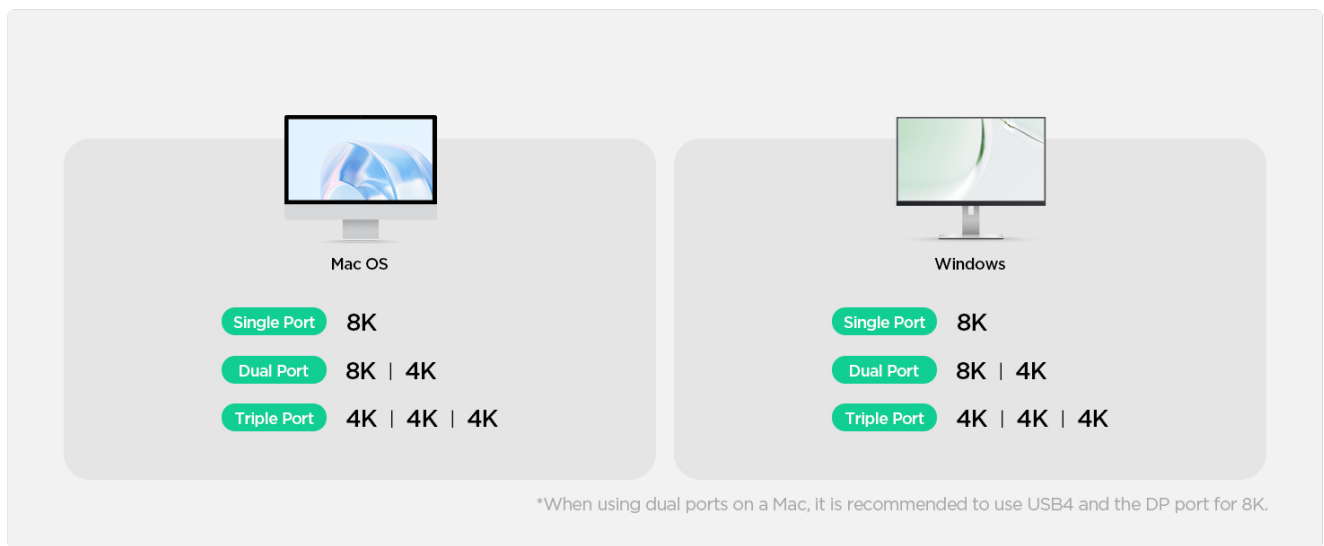
Figure 5.1: Single 8K Display Setup

Figure 5.2: Triple Display Configurations for Mac OS and Windows

5.2. Data Transfer

Experience lightning-fast data transfers:

- **USB4 Gen3 Ports:** Achieve speeds up to 40Gbps for rapid file transfers.
- **2.5Gbps Ethernet:** Ensures stable and quick wired network access.
- **SD/Micro SD 4.0:** Supports UHS-II with speeds up to 312MB/s for efficient media management.

Transfer Data Fast.

MAX 40Gbps

*The transfer speed may vary based on the connected cable's condition.

Figure 5.3: High-Speed Data Transfer via USB4

SD/TF Card At Once.

4.0/UHS-II   MAX 312MB/s

*Kensington lock cable is not included.

Figure 5.4: Simultaneous SD/TF Card Reading

5.3. Power Delivery

The docking station provides robust charging capabilities:

- **96W USB-C Power Delivery:** Charge your laptop and other compatible devices rapidly.
- **Total 150W Power:** The included 150W power adapter ensures sufficient power for all connected devices, allowing you to charge up to 3 devices simultaneously.

Total 150W
Power Deliver.

Charge 3 devices at once.

96W

*Adapter and 1 USB-C to USB-C(100W) cable are included.

Figure 5.5: Charging Multiple Devices

6. MAINTENANCE

To ensure the longevity and optimal performance of your Spigen ArcDock Pro Docking Station, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the surface of the docking station. Avoid using abrasive

cleaners, solvents, or aerosol sprays.

- **Storage:** When not in use for extended periods, store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure the docking station has adequate ventilation to prevent overheating. Do not block the ventilation holes.
- **Cable Management:** Avoid sharp bends or kinks in the cables, especially the main USB-C host cable, to prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your docking station, refer to the following common problems and solutions:

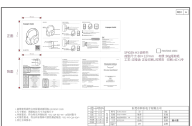| Problem	Possible Cause	Solution
No display output or incorrect resolution.	- Incorrect port usage for M1/M2 MacBooks. - Cable not fully connected or damaged. - Display settings not configured correctly.	- For M1/M2 MacBooks, use DP2 or HDMI port (DP1 is incompatible for extended display). - Ensure all display cables are securely connected to both the dock and the monitor. - Check your computer's display settings to detect and configure the external monitor(s).
Audio port not working or intermittent.	- Loose connection. - Incorrect audio output selected on the computer. - Incompatible audio device.	- Ensure the 3.5mm audio jack is fully inserted into the dock's headset port. - Verify that the correct audio output device (e.g., "Headset (KM-HIFI-384KHZ)") is selected in your computer's sound settings. - Test with another audio device to rule out a faulty headset/speaker.
Docking station or laptop overheating.	- Excessive load or poor ventilation. - Using the PD port for laptop charging while also connecting multiple high-power devices.	- Ensure the dock is placed in a well-ventilated area. - If experiencing throttling or excessive heat, consider connecting the laptop's power adapter directly to the laptop instead of through the dock's PD port, especially when using many peripherals. - Reduce the number of high-power devices connected simultaneously if possible.
Slow data transfer speeds.	- Using a non-USB4 Gen3 cable. - Connected device limitations.	- For optimal performance, use the included USB4 Gen3 cable or another certified USB4 Gen3 cable. - Ensure the connected device (e.g., external SSD) supports the desired transfer speeds.
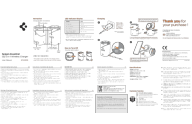
8. SPECIFICATIONS

Feature	Detail
Product Dimensions	8.85 x 3.34 x 0.86 inches
Item Weight	2.99 pounds
Item Model Number	PD2307
Brand	Spigen
Color	SPACE GRAY
Hardware Interface	Thunderbolt 4
Special Feature	Portable
Compatible Devices	MacBook M1, M2, Pro, Air, Laptops (such as Dell Latitude, Precision, HP EliteBook), Microsoft Surface Go, Book, iPad Air/Pro/Mini, Smartphones with USB-C
Power Delivery	Up to 96W to host, 150W total power
Display Output	1x HDMI 2.1 (8K@30Hz/4K@60Hz-240Hz), 2x DisplayPort 1.4 (8K@30Hz/4K@60Hz-240Hz)
Ethernet	2.5Gbps
Card Reader	SD 4.0, Micro SD 4.0 (UHS-II, Max 312MB/s)

9. WARRANTY AND SUPPORT

Spigen products are designed for durability and performance. For detailed warranty information and customer support, please visit the official Spigen website or refer to the documentation included with your product.
You can also find additional resources and contact information on theSpigen Store on Amazon.
A PDF version of the user manual is available for download:User Manual (PDF).

Related Documents - PD2307

	Spigen ArcDock GaN 1204 4-Port USB Charging Station User Manual - PD2100 User manual for the Spigen ArcDock GaN 1204 4-Port USB Charging Station (Model PD2100). Provides instructions, safety warnings, specifications, and regulatory compliance information for this 120W GaN charger.
	Spigen ArcStation Pro GaN 1402 Wall Charger User Manual User manual for the Spigen ArcStation Pro GaN 1402 Wall Charger, providing instructions, safety guidelines, specifications, and warranty information for this 140W dual USB-C power adapter.
	Spigen ArcField Dual Wireless Charger PF2100 User Manual Official user manual for the Spigen ArcField Dual Wireless Charger PF2100, detailing setup, safety instructions, specifications, and warranty information.
	Spigen H3 Bluetooth Headset User Manual User manual for the Spigen H3 Bluetooth headset, detailing features, connectivity, and specifications. Includes instructions for pairing, multi-point connection, and factory reset.
	Spigen Essential Qi2 3 in 1 Wireless Charger User Manual User manual for the Spigen Essential Qi2 3-in-1 Wireless Charger (Model EF223MS), detailing its features, charging instructions, LED indicator display, safety precautions, specifications, and warranty information.
	Spigen ArcField Wireless Charger PF2402 User Manual & Safety Guide Official user manual and safety instructions for the Spigen ArcField Wireless Charger PF2402, detailing setup, operation, LED indicators, specifications, and regulatory compliance information.