comsol

Model: DS24CTB
Thunderbolt 4 Dual 4K USB-C Docking Station
with AC Power Supply

THUNDERBOLT

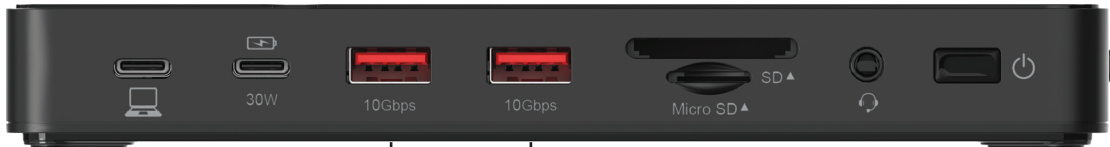**In the Box**

- 1 x DS24CTB Thunderbolt 4 Docking Station
- 1 x 150W Power Supply
- 1 x 80cm Thunderbolt 4 USB-C Cable
- 1 x User Manual

Mac   Windows   Chrome
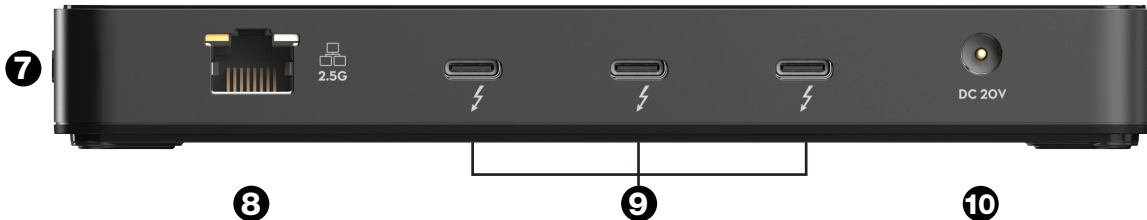
	Port	Description
1	Thunderbolt 4 Host Port	Connect the docking station to your computer using this USB-C port. Use the included Thunderbolt 4 cable
2	USB-C Data & PD 30W Charge	Fast charge a smartphone, tablet or other device with up to 30W of USB-C power This port also supports USB 2.0 data transfer speeds up to 480Mbps
3	USB-A 3.2 Data Ports	Connect USB-A devices including keyboard/mouse, flash drives, a web cam, a printer or external storage devices to these high speed USB-A ports at speeds up to 10Gbps
4	SD Card / Micro SD Card	Insert an SD or Micro SD card into the respective port to access your photos, video and other media. Supports data transfer up to 250MB/s
5	3.5mm Audio Socket	Connect your headphones, headset with microphone or speakers to this port
6	Power Button	Press this button to turn the docking station On or Off

	Port	Description
7	Security Slot	Protect your investment and secure your dock using a K-Slot locking device
8	RJ45 2.5G LAN	Connect a wired Network with an Ethernet cable. The Green LED will illuminate to show a connection has been made with the network, a yellow LED illuminates when there is network activity
9	Thunderbolt 4 USB-C Ports	All 3 ports support up to 40Gbps data transfer and external monitors All 3 ports offer up to 15W of power to charge a phone or tablet
10	DC Power Input	Connect the included 150W power supply to this port

Operation

Connect the included power supply to the rear of the docking station and plug the other end into a power outlet. 150W of power will power the docking station, all connected devices and provide up to 85W of USB-C power for laptop charging.

Connect the docking station to your computer using the included Thunderbolt 4 cable. Plug one end into a USB-C port on your computer and the other into the Thunderbolt 4 host port on the docking station labelled with the laptop icon 🖵

A short press on the power button turns on the dock, a longer press and hold turns it off.
There are three Thunderbolt 4 ports. You can connect up to two monitors, using any two of the three ports.

• Using a single monitor, the max resolution is 8K Ultra HD 7680 x 4320 @30Hz or 4K Ultra HD 3840 x 2160 @144Hz
• Using dual monitors, the max resolution is 2 x 4K Ultra HD 3840 x 2160 @60Hz

For Thunderbolt monitors or monitors with a USB-C input, connect your monitor's Thunderbolt cable or USB-C monitor cable to the Thunderbolt ports ❾ on the docking station.

For DisplayPort or HDMI monitors, use a USB-C to DisplayPort or USB-C to HDMI adapter or cable.
When using a USB-C to Video adapter, the maximum resolution will be dependent on the cable/adapters maximum supported resolution.

All three Thunderbolt 4 ports on the rear of the dock are full feature 40Gbps ports and support device charging with up to 15W charging available on each port

Connect an Ethernet network cable to the RJ45 2.5G LAN port. This port supports 2.5Gbps, 1Gbps, 100Mbps and 10Mbps speeds. This will connect your computer to a wired Ethernet network. The green LED indicates connection to a network. The yellow LED indicates network activity.

On the front of the dock, connect your high speed USB-A devices such as USB flash drives, external storage devices, webcams or other USB peripherals. The maximum data transfer rate for the USB-A ports is 10Gbps

The USB-C port on the front of the dock is for fast charging your smartphone or tablet with support for USB-C PD charging up to 30W. This also supports legacy USB devices with a data transfer rate of 480Mbps.

Use either the SD or Micro SD slots on the front of the dock to access your photos, videos or other digital files at transfer speeds up to 250MB/s.

To listen to audio through speakers or headphones, or use a headset with microphone, connect to the 3.5mm audio socket on the front of the dock.

Secure your dock while you are away from your desk using a K-Style lock (not included) in the slot on the side of the dock

Maximum Monitor Resolutions

The maximum monitor resolution supported by this docking station will depend on your computer's USB-C port. Check with your computer's specifications to determine if your USB-C port supports Thunderbolt 4, Thunderbolt 3, USB4 or DisplayPort 1.4

Laptop USB-C Port	Single Monitor	Dual Monitor
Thunderbolt 4 or USB4	7680 x 4320 @30Hz* or 3840 x 2160 @144Hz	Dual 3840 x 2160 @60Hz
Thunderbolt 3	3840 x 2160 @60Hz	Dual 3840 x 2160 @60Hz
DisplayPort 1.4	3840 x 2160 @60Hz	Not Supported

Note: Your computer's USB-C port must support Thunderbolt 4, Thunderbolt 3 or USB4 to support dual monitors

Specifications

- Connect two monitors, a keyboard & mouse, USB storage devices, a wired 2.5G network, headphones or speakers, all via a single USB-C connection
- Included 150W power supply provides up to 85W of USB-C power to charge your laptop
- 3 x 40Gbps Thunderbolt 4 USB-C Ports
- 2 x USB-A 3.2 data ports (10Gbps)
- 1 x USB-C PD 30W charging or USB 2.0 480Mbps data
- 1 x RJ45 2.5G Ethernet network port

- 1 x SD and 1 x microSD Card Reader Slot that supports simultaneous UHS-II read/write speeds up to 250MB/s
- 1 x 3.5mm audio port for speakers or headphones, or use a headset with microphone
- 1 x USB-C female Thunderbolt 4 port to connect to host computer
- 1 x Security Locking Slot
- Dimensions: 170 x 69 x 22mm
- Weight: 219g

Compatibility

MacOS | Windows | ChromeOS

Note: MacBook Pro requires M1, M2, M3 Pro Chip or M1, M2, M3 Max Chip to support dual monitors.
Windows laptop and Chromebook's USB-C port must support Thunderbolt 4, Thunderbolt 3 or USB4 to support dual monitors.

* Only available on Windows computers

Trouble Shooting

Monitors not Working
This docking station leverages the power of Thunderbolt 4 technology to support dual monitors in extended desktop mode. If your computer's USB-C port doesn't support Thunderbolt 4, Thunderbolt 3 or USB4, the docking station will only support a single monitor.

This docking station also utilises a technology called DisplayPort Alternate Mode (often referred to as DP Alt-Mode) to send your computer's video signal to connected monitors. If no monitors are working with the docking station, your computer's USB-C port may not support DP Alt-Mode.

Check your computer's specifications to see if your computer's USB-C port supports DP Alt-Mode.

If your computer's USB-C port supports Thunderbolt 4, Thunderbolt 3 or USB4, then it also supports DP Alt-Mode and will work with this docking station.

Connection Issues
If you are experiencing connection problems, unplug the docking station from your computer and replug or unplug and replug the connection that is experiencing problems.

Contact Support
If you need further assistance please contact our Australian based tech support team via the Live Chat on our website www.comsol.com.au or by emailing support@comsol.com.au or calling 1800 266765

DS24CTB Power Supply - Important Safety Instructions

• This Power Supply is designed to only be used with the included Docking Station
• Do not use if damaged or broken.
• Do not use if pins are broken or marked.
• Do not allow to get wet. Switch off and do not use if it has been wet
• Do not use near open fires or heaters.
• Do not cover or use in confined spaces to avoid overheating.
• Designed for indoor/home use.
• Keep out of reach of children.

Please contact Comsol support if you're concerned the unit may be damaged

Made in China