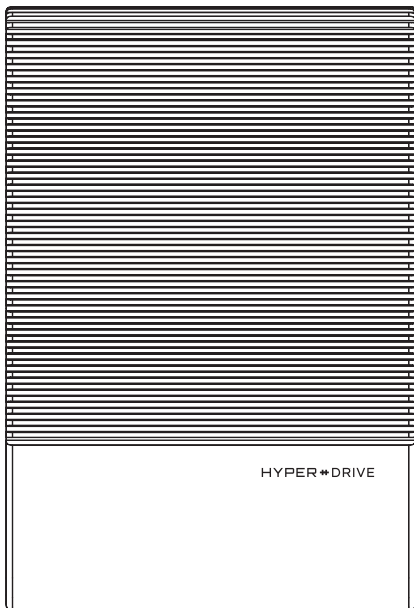




# **HYPERDRIVE GEN2**

## **14-PORT THUNDERBOLT 3 DOCK**

### **QUICK START GUIDE**



# INTRODUCTION

HyperDrive GEN2 14-port Thunderbolt 3 Dock turns a single Thunderbolt 3 port on the host computer into 14 ports like Thunderbolt 3 x 2, DisplayPort 1.4, USB-C 10Gbps, USB-A 10Gbps x 2, USB-A 5Gbps x 3, USB-A QC 3.0, Gigabit Ethernet, UHS-II Coaxial SPDIF, Toslink Optical Fiber, 3.5mm Audio Jack TRRS and DC 180W.

The product can be connected to a Thunderbolt 3 computer or USB-C device/computer. Product is plug and play with no drivers needed. When connected to a USB-C (non-Thunderbolt 3) device/computer, the two Thunderbolt 3 ports and DisplayPort on the product will have reduced functionality (see below)

## ① Thunderbolt 3 Port (near DC port)

When connected to a TB3 computer with TB3 cable:  
Support input bandwidth up to 40Gbps (data + video)  
Support host charging up to 85W (5/9/15V @ 3A, 20V @ 4.25A)

When connected to a USB-C computer/device with TB3 or full-feature 100W 10Gbps cable:  
Support input bandwidth up to 26.2Gbps (USB 10Gbps + DP1.4 8.1Gbps x 2 Lanes)  
Support host charging up to 85W (5/9/15V @ 3A, 20V @ 4.25A)

## ② Thunderbolt 3 Port (near DP port)

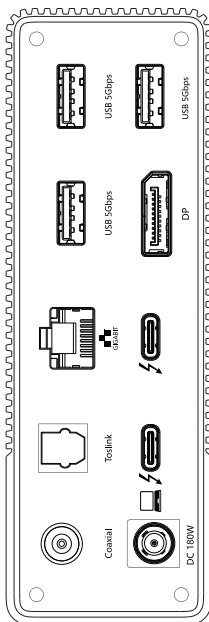
Support TB3 daisy chain up to 6 levels with 15W (5V/3A) downstream charging.  
Support connection to TB3 devices like TB3 displays, RAID, detachable graphics etc.  
Support DP1.4 resolution up to 8K/30Hz or 5K/60Hz

For USB-C computer/device:

Only USB 2.0 data and downstream charging max 15W (5V/3A)

## ③ DisplayPort:

Support 4 lane DP1.4 resolution up to 8K30Hz  
MacOS supports SST (Single Stream Transport) so all external displays will show the same image at max 8K30Hz  
PC Windows/Chrome OS supports MST (Multi Stream Transport) and will support 2 extended displays  
1 extended display will be 8K30Hz  
2 extended displays will be 8K30Hz + 4K30Hz



## ④ USB-A 10Gbps x 2, USB-C 10Gbps x 1

Support USB3.2 Gen 2 up to 10Gbps  
Max 5V/900mA downstream charging for each USB-A port  
Max 5V/1500mA downstream charging for USB-C port

## ⑤ USB-A 5Gbps x 3

Support USB3.2 Gen 1 up to 5Gbps  
Max 5V/900mA downstream charging for each port

## ⑥ USB-A QC 3.0

Charging only  
Supports Quick Charge 2.0/3.0 5V/9V/12V

## ⑦ GIGABIT ETHERNET

Supports 10Mbps/100Mbps/1Gbps  
Half/full duplex transmission

## ⑧ COAXIAL

SPDIF interface: Max 96KHz/24bit output, 0.4V ~ 0.6V Vpp@50Ω load

## ⑨ TOSLINK

Optical fiber SPDIF interface: Max 96KHz/24bit output, -21dBm ~ -15dBm light intensity output

## ⑩ 3.5MM AUDIO JACK

Sample rate up to 96KHz/24bit  
Support auto-detection and auto-switch between OTMP and CTIA

## ⑪ DC 180W

Connect to included 180W (21V, 8.57A) power supply for dock to function.

