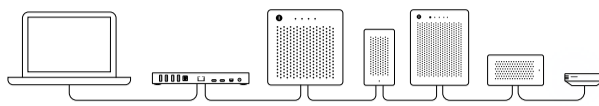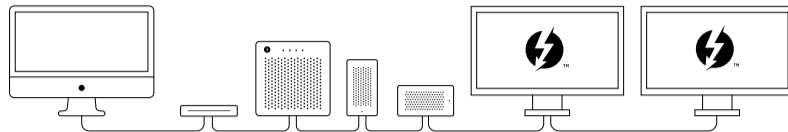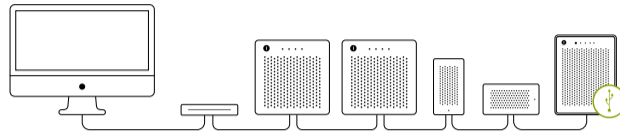# THUNDERBOLT DEVICE DAISY-CHAINING

Thunderbolt daisy-chaining allows you to connect multiple Thunderbolt devices to your computer!
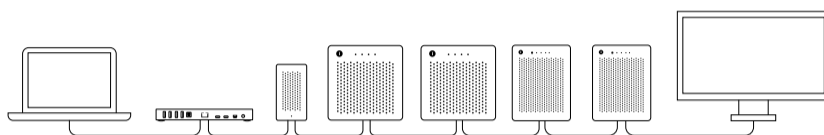
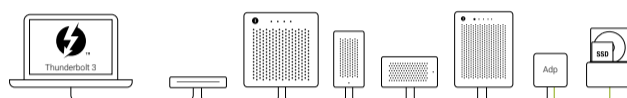Daisy-chain up to 6 high-performance Thunderbolt devices.

Up to 2 Thunderbolt displays can be used within the 6, and should be the last devices on the chain.
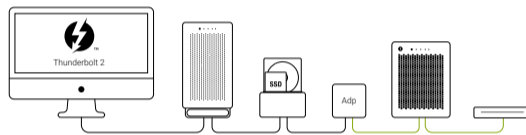Some computers may require connecting the displays to Thunderbolt ports on different buses.

Since Thunderbolt 3 uses the USB Type-C connector, any USB device must be placed at the end of the daisy-chain.
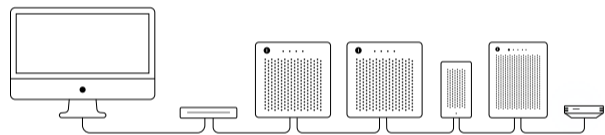
Some Thunderbolt devices may also include a DisplayPort or Mini DisplayPort.
A display connected to this port does not count as one of the 6 devices in the daisy-chain.

Since later generations of Thunderbolt devices can be adapted to connect to previous generations of Thunderbolt
hosts and later generations of Thunderbolt hosts can connect to previous generations of Thunderbolt devices, it is advised
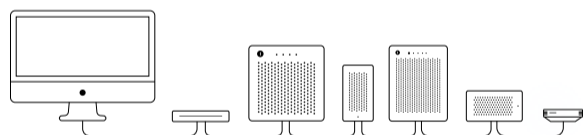to place devices in order of performance with the daisy-chain.

Since any later generation Thunderbolt device will only be able to run at the speed of the Thunderbolt host,
care should be used to use the fewest number of Thunderbolt adapters possible. And the slowest
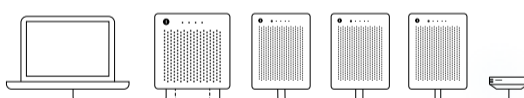device(s) should be at the end of the daisy-chain.

Any bus-powered device must be the last device in the daisy-chain.
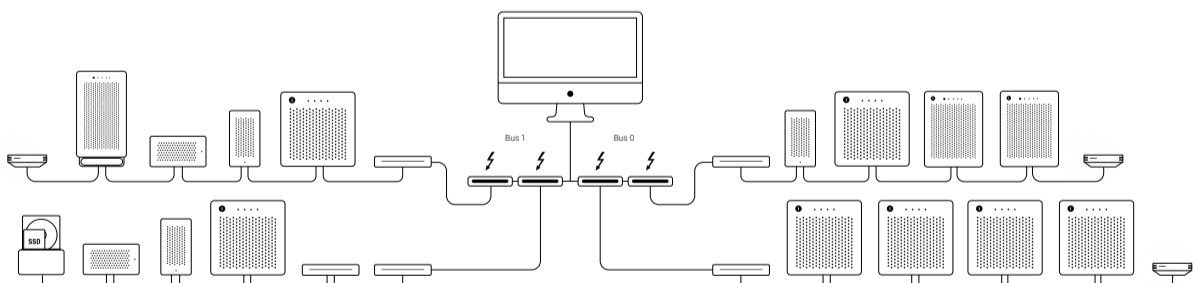
eGPUs should not be daisy-chained and should be the only device connected to a specific Thunderbolt bus.
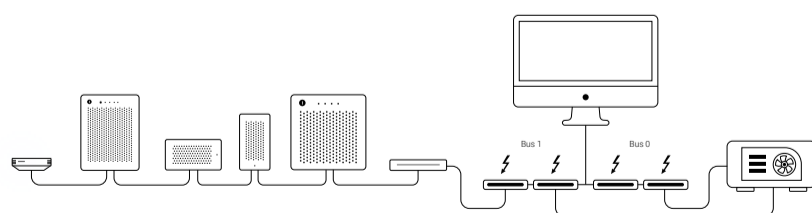
Devices with only one Thunderbolt port must be the last device in the daisy-chain.

Some Thunderbolt devices may have an internal Thunderbolt connection and thus count as more than one
device in the daisy-chain. Refer to the device documentation for details.

Some computers with more than one Thunderbolt port share a Thunderbolt bus, and thus the bandwidth across the ports.
Each port can still daisy-chain up to 6 high-performance Thunderbolt devices, but the (up to 12) Thunderbolt devices will share the same bandwidth.
Some computers may have more than one Thunderbolt bus and typically have 2 Thunderbolt ports per Thunderbolt bus. Refer to your computer's specifications for details.

Some Thunderbolt devices may have more than two Thunderbolt connections and require being connected
to separate Thunderbolt buses. Refer to the device documentation for details.

Since all devices on a Thunderbolt daisy-chain (and bus) share the same bandwidth, please use these guidelines when setting up your daisy-chain,
but some experimentation may be required to find the best configuration that best meets your requirements.