

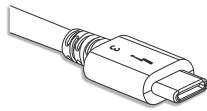
CATALOGUE 2020

Thunderbolt™

Thunderbolt™ can bring together all transfer channels -
for image, audio, power and data signals -
in a single interface.



Thunderbolt™

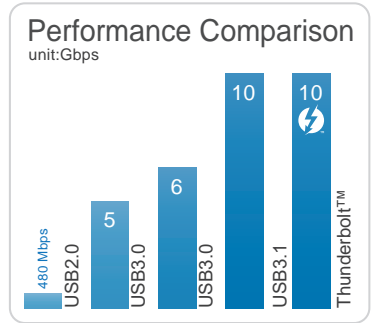


- | | | | | | |
|----|---|---|----|---|---|
| 02 |  | 42490
2.5" External Enclosure SATA HDD > Thunderbolt™ (up to 15 mm HDD) | 03 |  | 42509
External Enclosure Thunderbolt™ > mSATA SSD |
| 04 |  | 42510
2.5" External Enclosure SATA HDD > Thunderbolt™ (up to 15 mm HDD) | 05 |  | 54000
Enclosure Thunderbolt 3TM > SSD 240GB silver |
| 06 |  | 54007
Enclosure Thunderbolt 3TM > SSD 480GB silver | 07 |  | 61971
SATA HDD > Thunderbolt™ |
| 08 |  | 83149
Thunderbolt™ 2 cable male > male 1 m black | 09 |  | 83150
Thunderbolt™ 2 cable male > male 2 m black |
| 10 |  | 83151
Thunderbolt™ 2 cable male > male 3 m black | 11 |  | 83154
Thunderbolt™ 2 cable male > male 0.5 m black |
| 12 |  | 83165
Thunderbolt™ 2 cable male > male 0.5 m white | 13 |  | 83166
Thunderbolt™ 2 cable male > male 1 m white |
| 14 |  | 83167
Thunderbolt™ 2 cable male > male 2 m white | 15 |  | 83168
Thunderbolt™ 2 cable male > male 3 m white |
| 16 |  | 84844
Thunderbolt™ 3 USB-C™ cable male > male passive 0.5 m 5 A black (40 Gb/s) | 17 |  | 84845
Thunderbolt™ 3 USB-C™ cable male > male passive 1.0 m 5 A black (20 Gb/s) |
| 18 |  | 84846
Thunderbolt™ 3 USB-C™ cable male > male passive 1.5 m 5 A black (20 Gb/s) | 19 |  | 84847
Thunderbolt™ 3 USB-C™ cable male > male passive 2.0 m 3 A black (20 Gb/s) |
| 20 |  | 91723
Thunderbolt™ Adapter > 1 x USB 3.0 Type-A female + SD UHS-II Card Reader | | | |

2.5" External Enclosure SATA HDD > Thunderbolt™ (up to 15 mm HDD)

Chipset: Asmedia

black




CE FC




Windows
7/7-64/
8/8-64/8.1/8.1-64/
10/10-64


Mac OS
10.7, 10.8


DATA
transfer rate up to
6 Gb/s


POWER
self-powered
12 V / 2.5 A

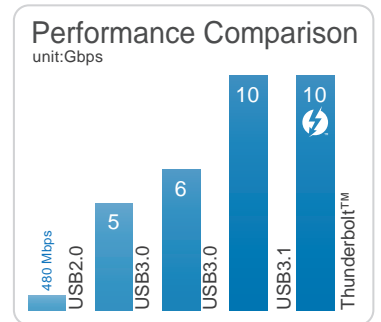

**LED indicator for
power & access**


**Hot Swap
Plug & Play**

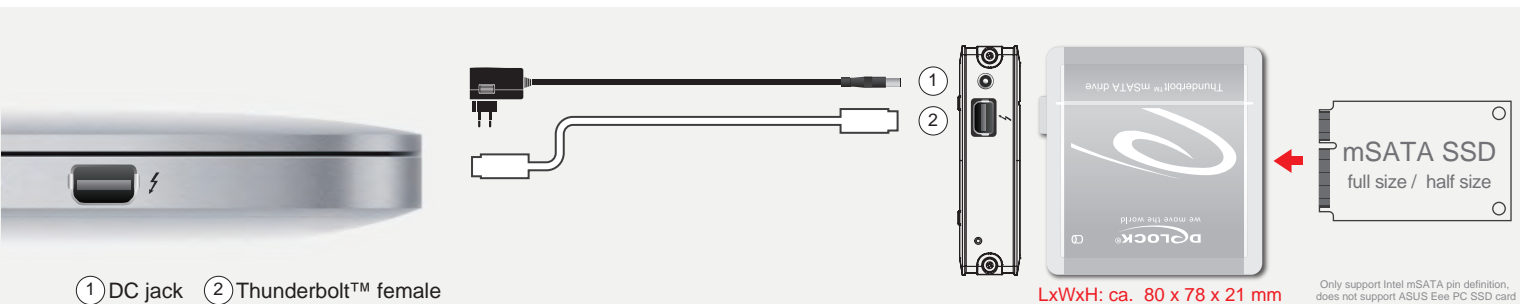
External Enclosure Thunderbolt™ > mSATA SSD

Chipset: Asmedia

Silver




CE FC




Windows
7/7-64/
8/8-64/8.1/8.1-64



Mac OS
10.7, 10.8


DATA
transfer rate up to
6 Gb/s


POWER
self-powered
12 V / 2.5 A


**LED indicator for
power & access**


Operating temperature
5 °C ~ 35 °C

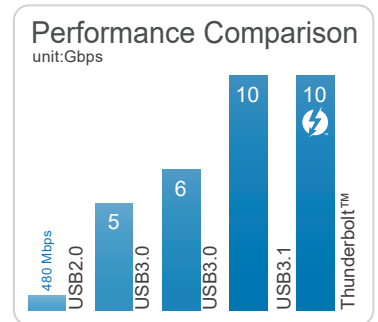

Storage temperature
-20 °C ~ +70 °C


**Hot Swap
Plug & Play**

2.5" External Enclosure SATA HDD > Thunderbolt™ (up to 15 mm HDD)

Chipset: Asmedia

Silver




CE FC




Windows
7/7-64/
8/8-64/8.1/8.1-64/
10/10-64


Mac OS
10.7, 10.8


DATA
transfer rate up to
6 Gb/s


POWER
self-powered
12 V / 2.5 A


**LED indicator for
power & access**


**Hot Swap
Plug & Play**

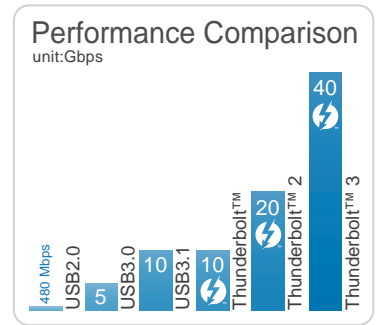
Thunderbolt™ 3 External Portable SSD

Connect the M.2 SSD
to a free Thunderbolt™ 3 port

NVMe
240 GB



54000 | 240 GB
54007 | 480 GB
CE FC



Windows
7/7-64/8.1/8.1-64
10/10-64

Mac OS
ex 10.12

Linux
ex Kernel 4.3.3
Kernel 4.9.1

WRITE
Maximum speed
2300 MB/S

READ
Maximum speed
2800 MB/S

Power consumption
6W

MTBF
2,000,000 hours

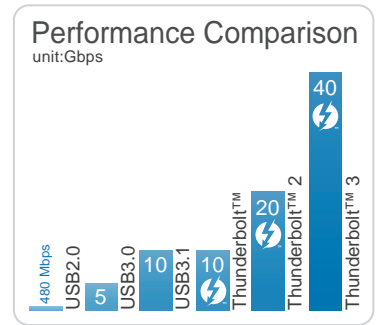
Thunderbolt™ 3 External Portable SSD

Connect the M.2 SSD
to a free Thunderbolt™ 3 port

NVMe
480 GB




54000 | 240 GB
54007 | 480 GB
CE FC





Windows
7/7-64/8.1/8.1-64
10/10-64



Mac OS
ex 10.12


Linux
ex Kernel 4.3.3
Kernel 4.9.1


WRITE
Maximum speed
2300 MB/S


READ
Maximum speed
2800 MB/S

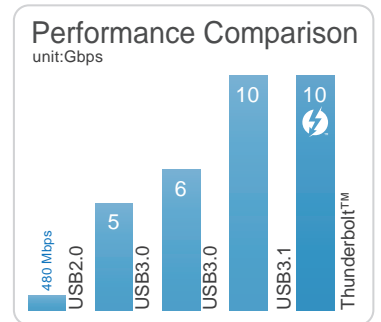

Power consumption
6W


MTBF
2,000,000 hours

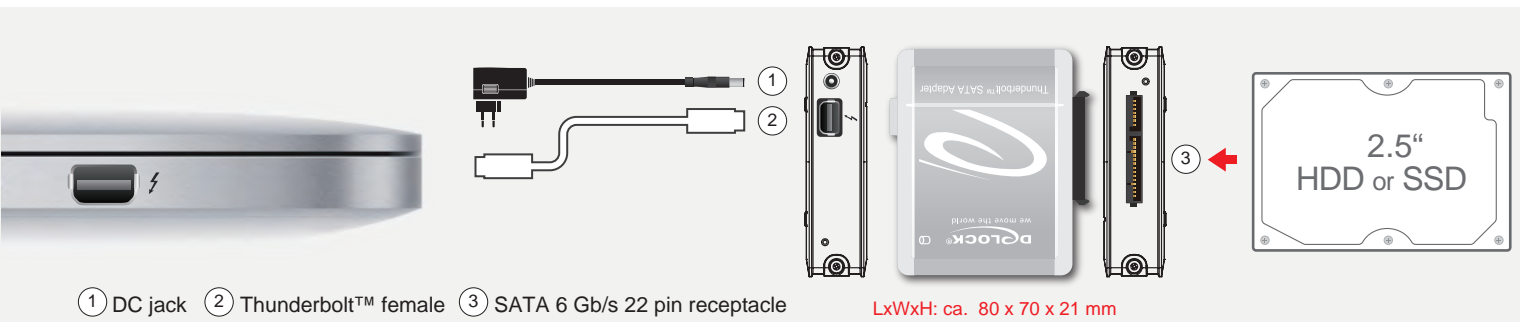
Converter Thunderbolt™ > SATA 6 Gb/s

Chipset: Asmedia
SATA 6 Gb/s 22 pin interface

Silver




CE FC




Windows
7/7-64/
8/8-64/8.1/8.1-64


Mac OS
10.7, 10.8, 10.9.5


DATA
transfer rate up to
6 Gb/s


POWER
self-powered
12 V / 2.5 A


**LED indicator for
power & access**

Thunderbolt™ 2 Cable male > male

Chipset: Intel

Supports data and video on a single cable

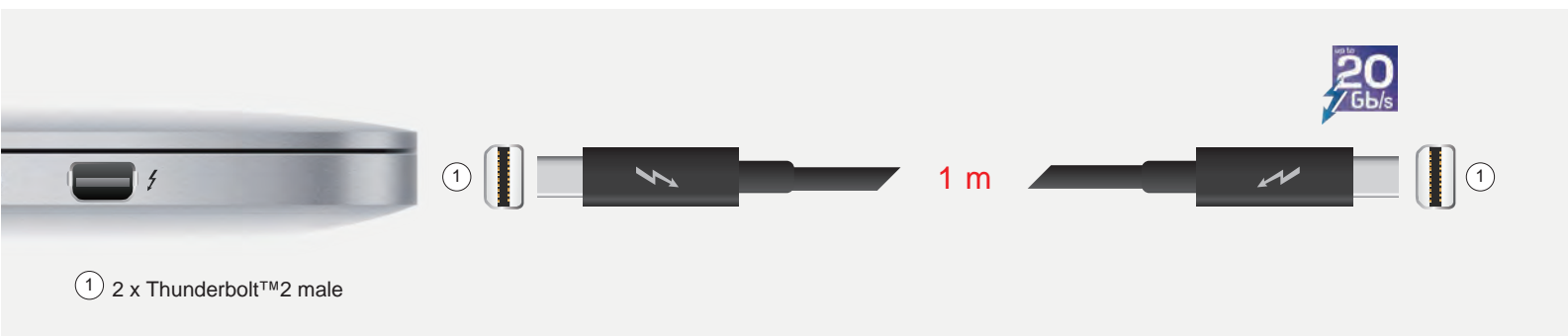
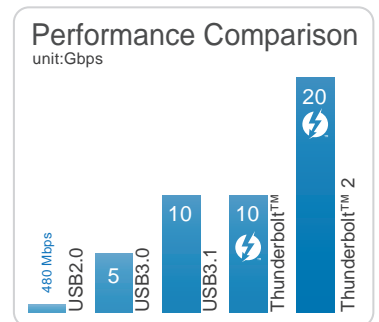
black

1 m



- 83154 | 0.5 m
- 83149 | 1.0 m
- 83150 | 2.0 m
- 83151 | 3.0 m


CE FC





gauge
34 AW G



diameter
4.2 mm


Copper cable


DATA
transfer rate up to
20 Gb/s


based on
PCIe & DP


Daisy Chain up to
6 devices


data transfer
bi-directional

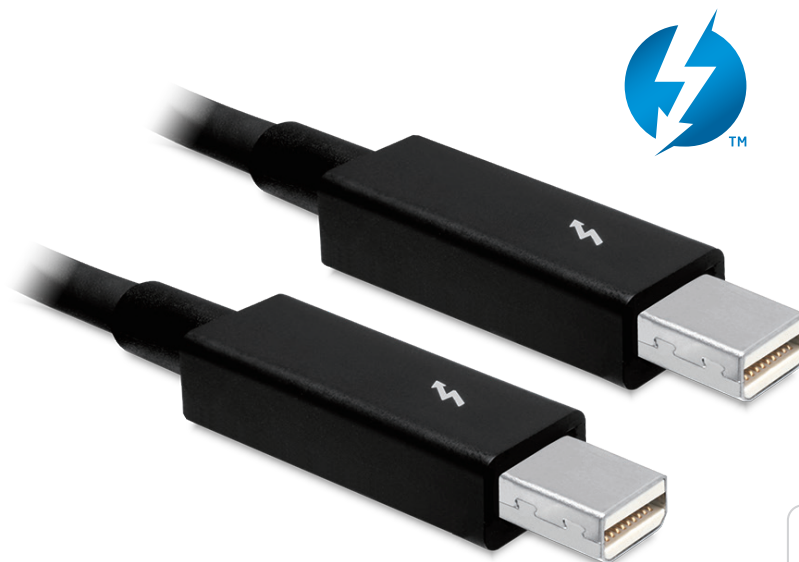
Thunderbolt™ 2 Cable male > male

Chipset: Intel

Supports data and video on a single cable

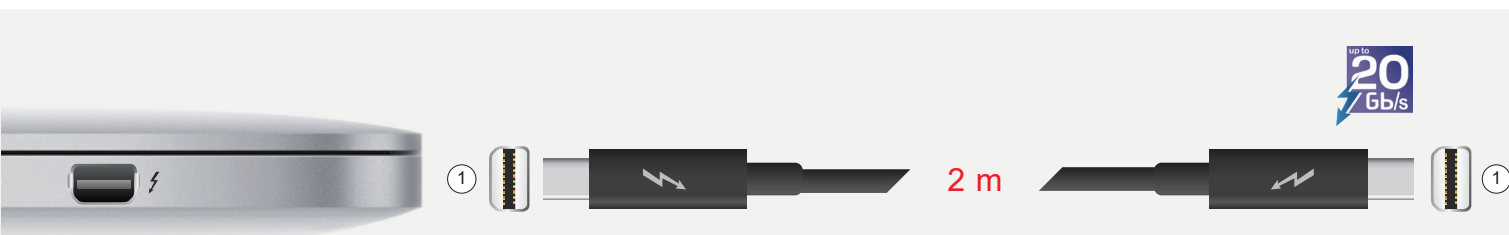
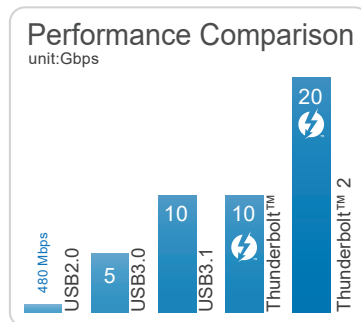
black

2 m



- 83154 | 0.5 m
- 83149 | 1.0 m
- 83150 | 2.0 m
- 83151 | 3.0 m

CE FC



① 2 x Thunderbolt™ 2 male



gauge
34 AWG



diameter
4.2 mm



Copper cable



transfer rate up to
20 Gb/s



based on
PCIe & DP



Daisy Chain up to
6 devices



data transfer
bi-directional

Thunderbolt™ 2 Cable male > male

Chipset: Intel

Supports data and video on a single cable

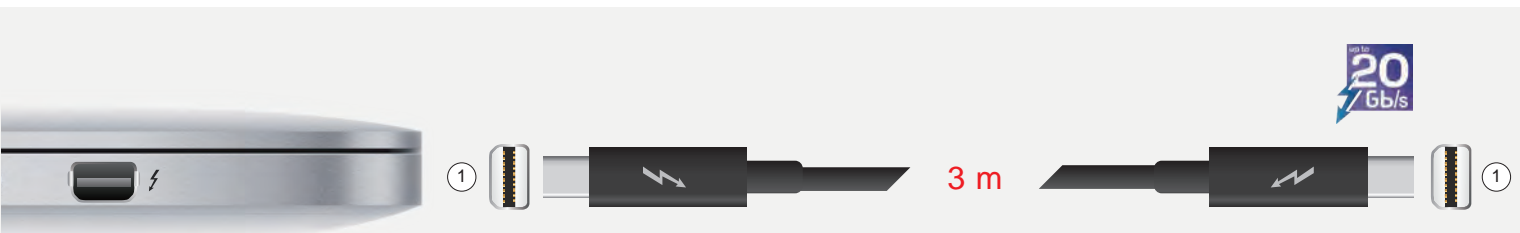
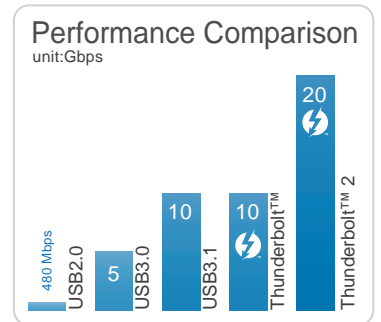
black

3 m



- 83154 | 0.5 m
- 83149 | 1.0 m
- 83150 | 2.0 m
- 83151 | 3.0 m

CE FC



① 2 x Thunderbolt™2 male



gauge
34 AW G



diameter
4.2 mm



Copper cable



transfer rate up to
20 Gb/s



based on
PCIe & DP



Daisy Chain up to
6 devices



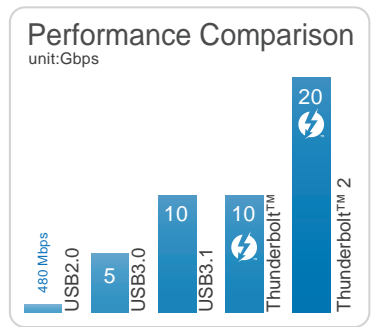
data transfer
bi-directional

Thunderbolt™ 2 Cable male > male

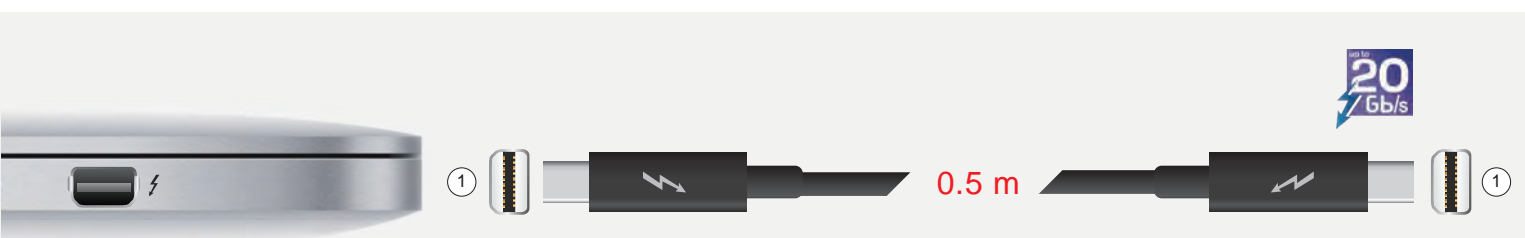
Chipset: Intel

Supports data and video on a single cable








black
0.5 m



- 83154 | 0.5 m
- 83149 | 1.0 m
- 83150 | 2.0 m
- 83151 | 3.0 m



① 2 x Thunderbolt™2 male

- 
gauge
34 AW G
- 
diameter
4.2 mm
- 
Copper cable
- 
transfer rate up to
20 Gb/s
- 
based on
PCIe & DP
- 
Daisy Chain up to
6 devices
- 
data transfer
bi-directional

Thunderbolt™ 2 Cable male > male

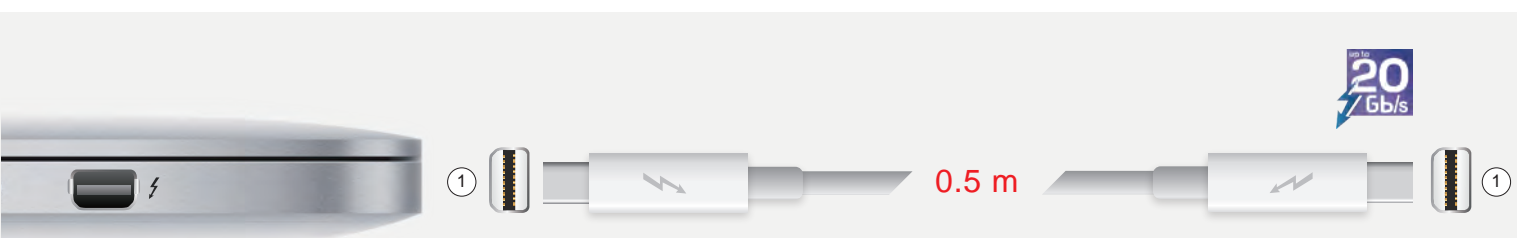
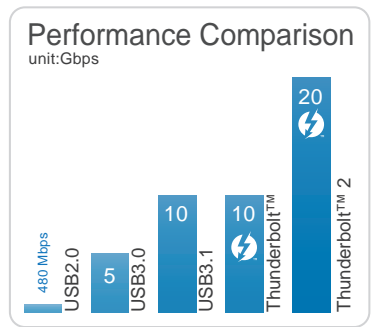
Chipset: Intel

Supports data and video on a single cable








white
0.5 m



- 83165 | 0.5 m
- 83166 | 1.0 m
- 83167 | 2.0 m
- 83168 | 3.0 m



① 2 x Thunderbolt™2 male

- 
 gauge
34 AW G
- 
 diameter
4.2 mm
- 
 Copper cable
- 
 transfer rate up to
20 Gb/s
- 
 based on
PCIe & DP
- 
 Daisy Chain up to
6 devices
- 
 data transfer
bi-directional

Thunderbolt™ 2 Cable male > male

Chipset: Intel

Supports data and video on a single cable

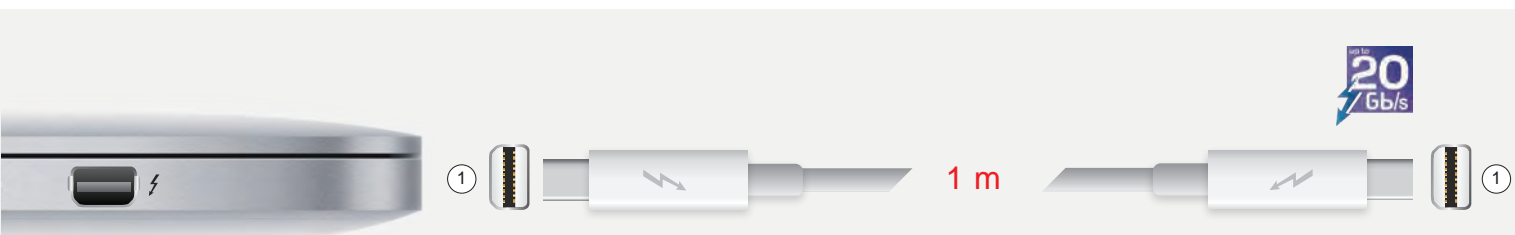
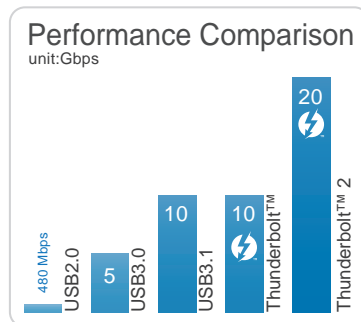
white

1 m



- 83165 | 0.5 m
- 83166 | 1.0 m
- 83167 | 2.0 m
- 83168 | 3.0 m

CE FC



① 2 x Thunderbolt™2 male



gauge
34 AW G



diameter
4.2 mm



Copper cable



transfer rate up to
20 Gb/s



based on
PCIe & DP



Daisy Chain up to
6 devices



data transfer
bi-directional

Thunderbolt™ 2 Cable male > male

Chipset: Intel

Supports data and video on a single cable

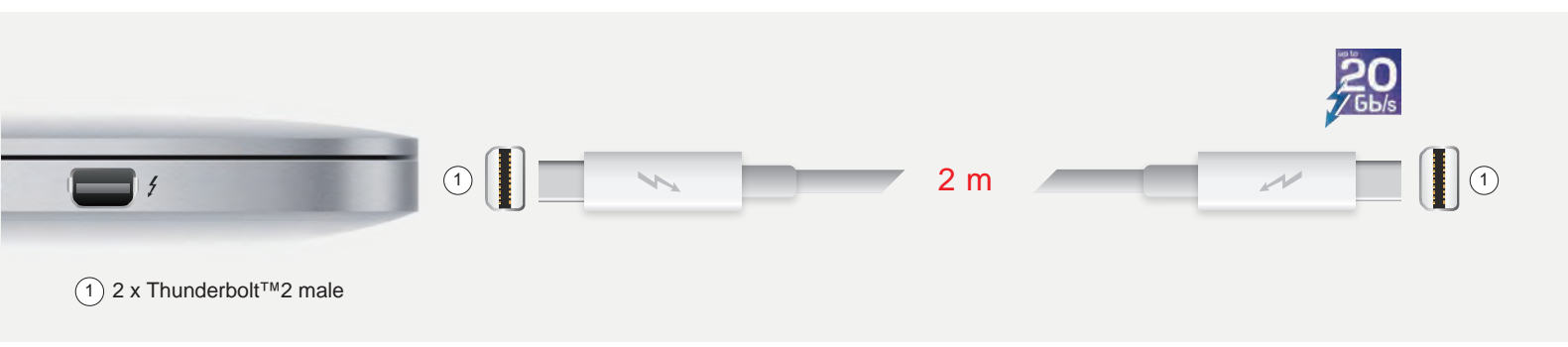
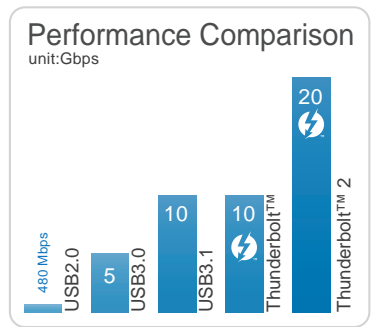
white

2 m



- 83165 | 0.5 m
- 83166 | 1.0 m
- 83167 | 2.0 m
- 83168 | 3.0 m

CE FC



gauge
34 AW G



diameter
4.2 mm



Copper cable



transfer rate up to
20 Gb/s



based on
PCIe & DP



Daisy Chain up to
6 devices



data transfer
bi-directional

Thunderbolt™ 2 Cable male > male

Chipset: Intel

Supports data and video on a single cable

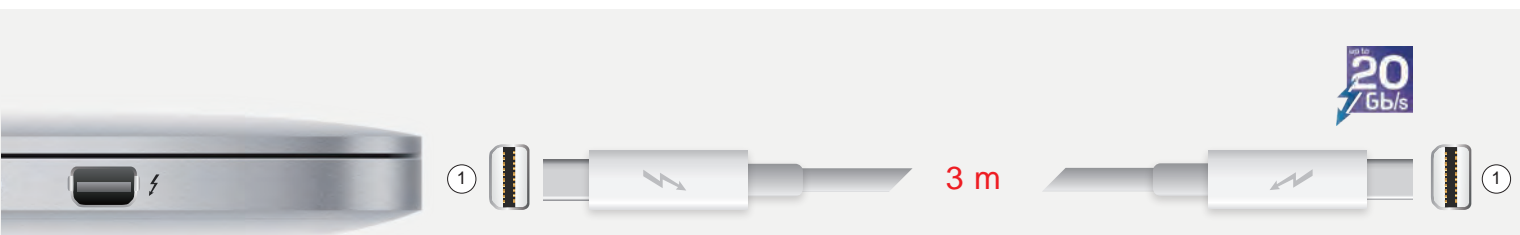
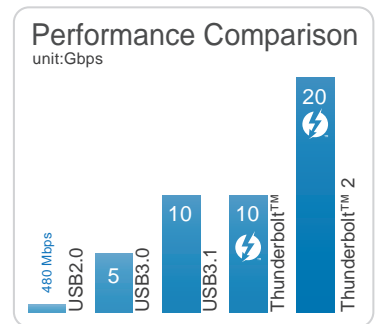
white

3 m



- 83165 | 0.5 m
- 83166 | 1.0 m
- 83167 | 2.0 m
- 83168 | 3.0 m

CE FC



① 2 x Thunderbolt™2 male



gauge
34 AW G



diameter
4.2 mm



Copper cable



transfer rate up to
20 Gb/s



based on
PCIe & DP



Daisy Chain up to
6 devices



data transfer
bi-directional

Thunderbolt™ 3 USB-C™ cable male > male

Chipset: Cypress E-Marker

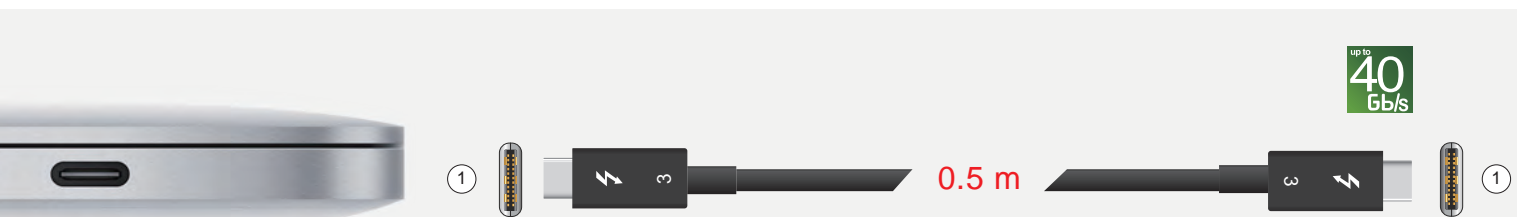
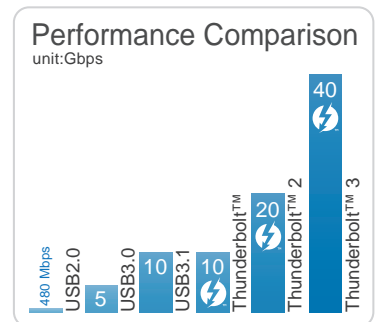
Conductors: 8 x coaxial for SuperSpeed USB, 1 x Twisted Pair for USB 2.0

Supports data and video on a single cable

- passive**
- black**
- 0.5 m**



- 84844 | 0.5 m
- 84845 | 1.0 m
- 84846 | 1.5 m
- 84847 | 2.0 m



① 2 x Thunderbolt™ 3 USB Type-C™ male

Item No.	Length	Diameter	Gauge (data line)	Gauge (power line)	Data transfer rate up to	Delivery up to
84844	0.5 m	4.4 mm	32 + 34 AWG	24 + 34 AWG	40 Gb/s	100 W (20 V / 5 A)
84845	1.0 m	4.4 mm	32 + 34 AWG	24 + 34 AWG	20 Gb/s	100 W (20 V / 5 A)
84846	1.5 m	4.4 mm	32 + 34 AWG	24 + 34 AWG	20 Gb/s	100 W (20 V / 5 A)
84847	2.0 m	4.6 mm	32 + 34 AWG	24 + 34 AWG	20 Gb/s	60 W (20 V / 3 A)

Thunderbolt™ 3 USB-C™ cable male > male

Chipset: Cypress E-Marker

Conductors: 8 x coaxial for SuperSpeed USB, 1 x Twisted Pair for USB 2.0

Supports data and video on a single cable

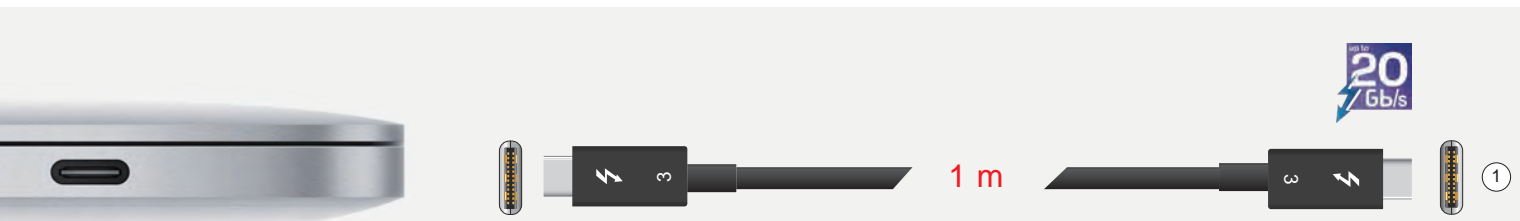
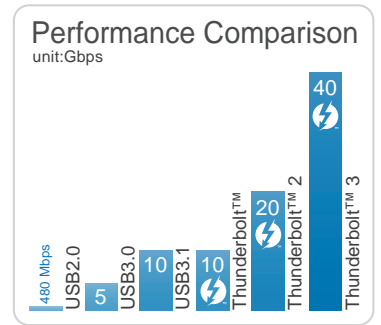
passive

black

1 m



- 84844 | 0.5 m
- 84845 | 1.0 m
- 84846 | 1.5 m
- 84847 | 2.0 m



① 2 x Thunderbolt™ 3 USB Type-C™ male

Item No.	Length	Diameter	Gauge (data line)	Gauge (power line)	Data transfer rate up to	Delivery up to
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Thunderbolt™ 3 USB-C™ cable male > male

Chipset: Cypress E-Marker

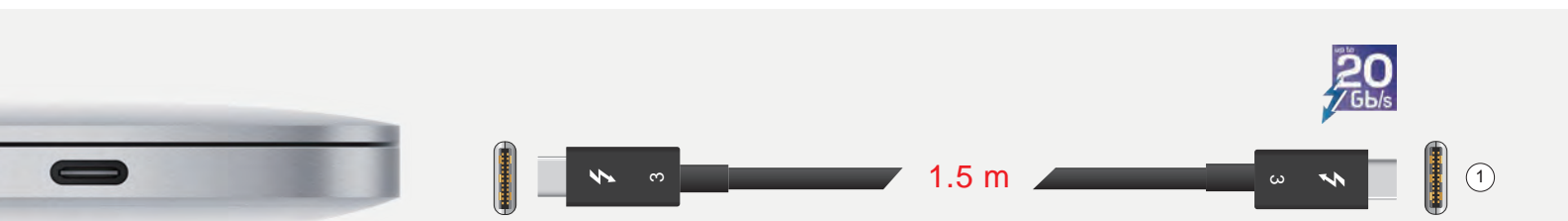
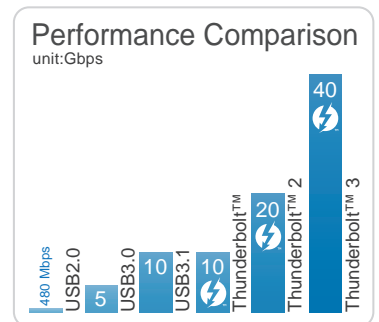
Conductors: 8 x coaxial for SuperSpeed USB, 1 x Twisted Pair for USB 2.0

Supports data and video on a single cable

- passive**
- black**
- 1.5 m**



- 84844 | 0.5 m
- 84845 | 1.0 m
- 84846 | 1.5 m
- 84847 | 2.0 m



① 2 x Thunderbolt™ 3 USB Type-C™ male

Item No.	Length	Diameter	Gauge (data line)	Gauge (power line)	Data transfer rate up to	Delivery up to
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Thunderbolt™ 3 USB-C™ cable male > male

Chipset: Cypress E-Marker

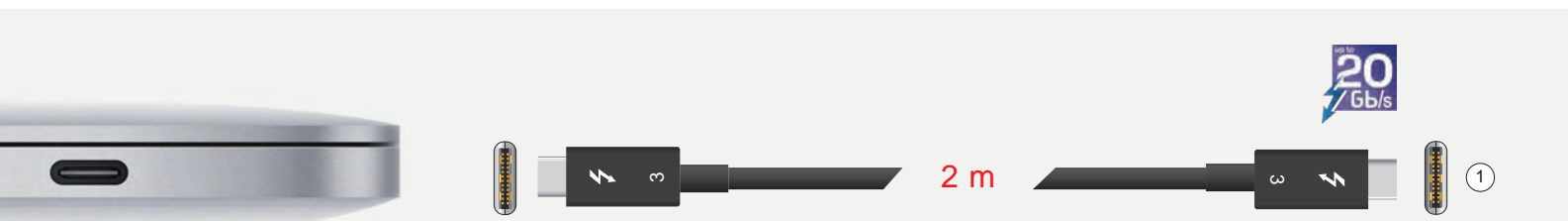
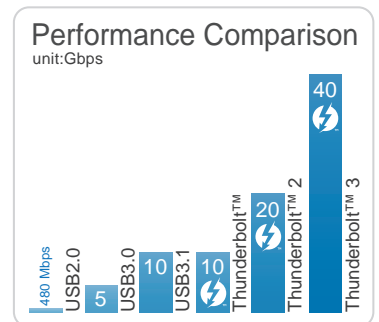
Conductors: 8 x coaxial for SuperSpeed USB, 1 x Twisted Pair for USB 2.0

Supports data and video on a single cable

- passive**
- black**
- 2 m**



- 84844 | 0.5 m
- 84845 | 1.0 m
- 84846 | 1.5 m
- 84847 | 2.0 m



① 2 x Thunderbolt™ 3 USB Type-C™ male

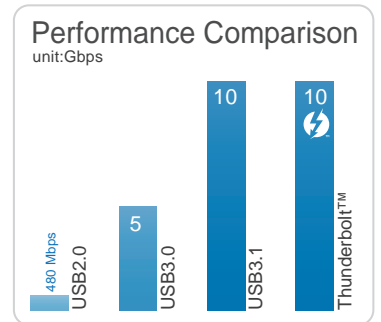
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84847	2.0 m	4.6 mm	32 + 34 AWG	24 + 34 AWG	20 Gb/s	60 W (20 V / 3 A)

Thunderbolt™ Adapter > USB 3.0 Type-A female + SD UHS-II Card Reader

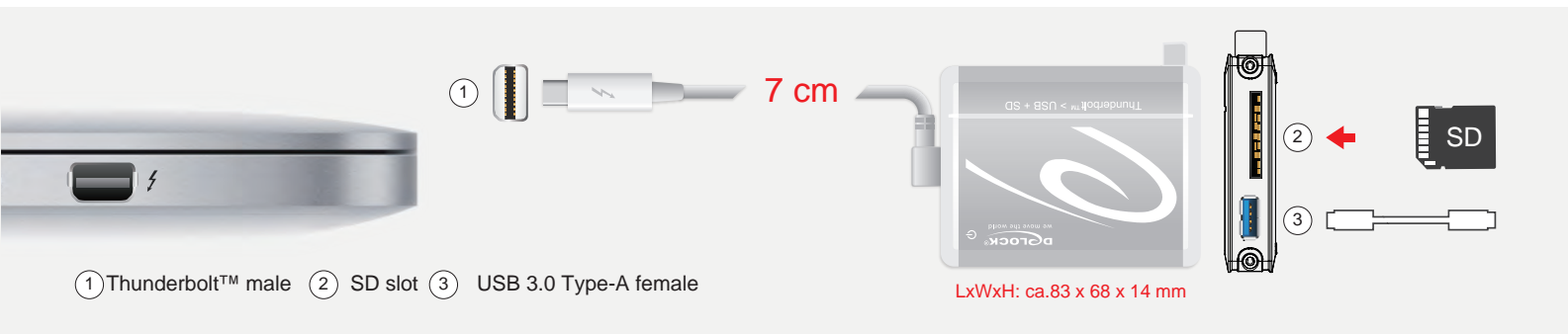
Chipset: Asmedia + Realtek
Supports SD UHS-II memory cards

1 x SD 4.0 UHS-II slot

1 x USB Type-A 3.0 Port



CE FC






Windows
7/7-64/
8/8-64/8.1/8.1-64/
10/10-64


Mac OS
10.9


WRITE
SD write up to
260 MB/S


READ
SD read up to
200 MB/S


POWER
USB bus powered
max. 900 mA


Current consumption
1.8A (5V)


**Hot Swap
Plug & Play**