



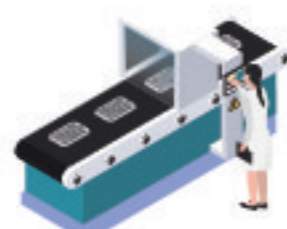
GLOBAL MEMORY SOLUTIONS

Product Overview

Your Best OEM/ODM Partner



Design



Manufacturing



Testing



Logistics



AlfaMemory



ABOUT ALFAMEMORY

AlfaMemory Technology is a Taiwan based company that specializes in SSD technologies. We have a vast network of manufacturing partners in Taiwan and China that produce NAND Flash and DRAM products. We have more than 15 years of technological experience in the industry and have received domestic and foreign recognition for our quality and service.

Currently, our main focus is in providing the best OEM/ODM products and services. We have a diverse and growing product line which can be quickly modified and customized to fit our client's needs. We strongly believe in our business philosophy of maintaining the utmost quality, efficiency, and reliability. We show our loyalty and dedication to our clients through our outstanding customer service, providing fast response and solutions to any questions or problems should they arise. We will always put our customers first to ensure they are satisfied.

WORLDWIDE CUSTOMER LOCATIONS



Factory Environment



INTERNAL STORAGE

2.5" SATA III SSD

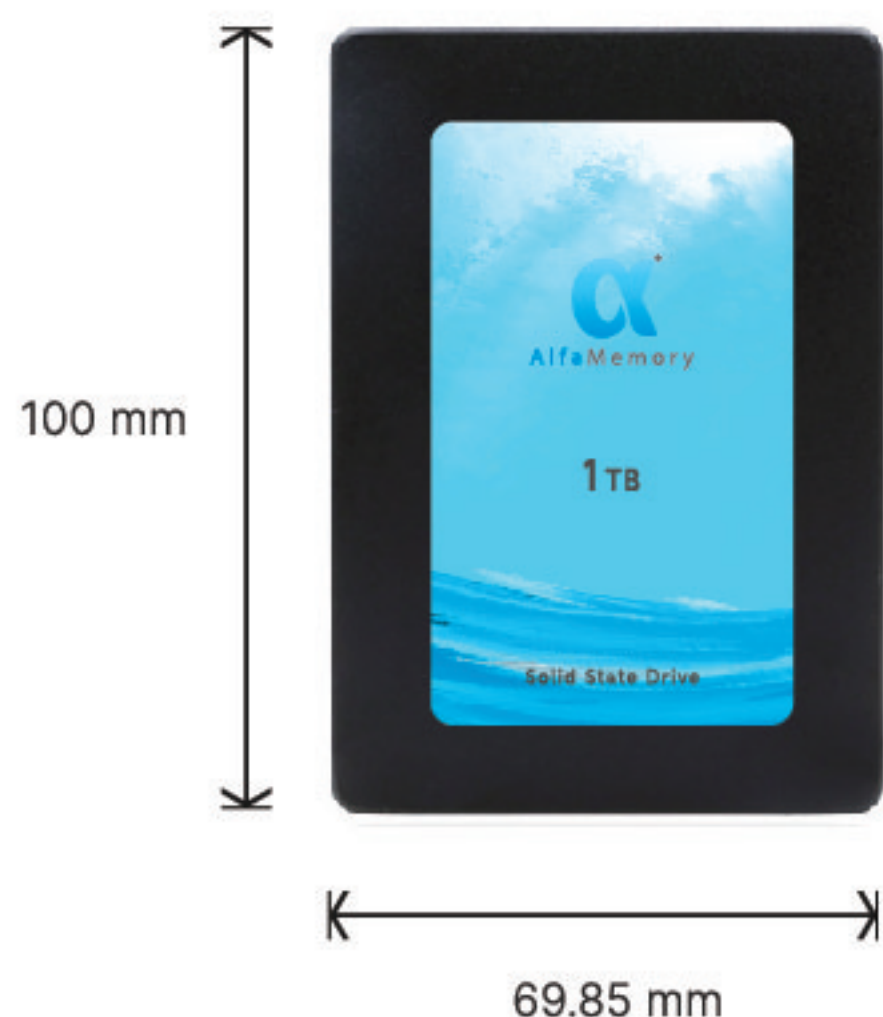
M.2 SATA III SSD

M.2 PCIe SSD








mSATA SSD



2.5" SATA III SSD



Application

-  Desktop
-  Notebook
-  Casino Gaming
-  Enterprise Computing
-  Medical Industry
-  Military and Aerospace
-  Embedded/Industrial Systems

Read Speed

Up to **560** MB/s

Write Speed

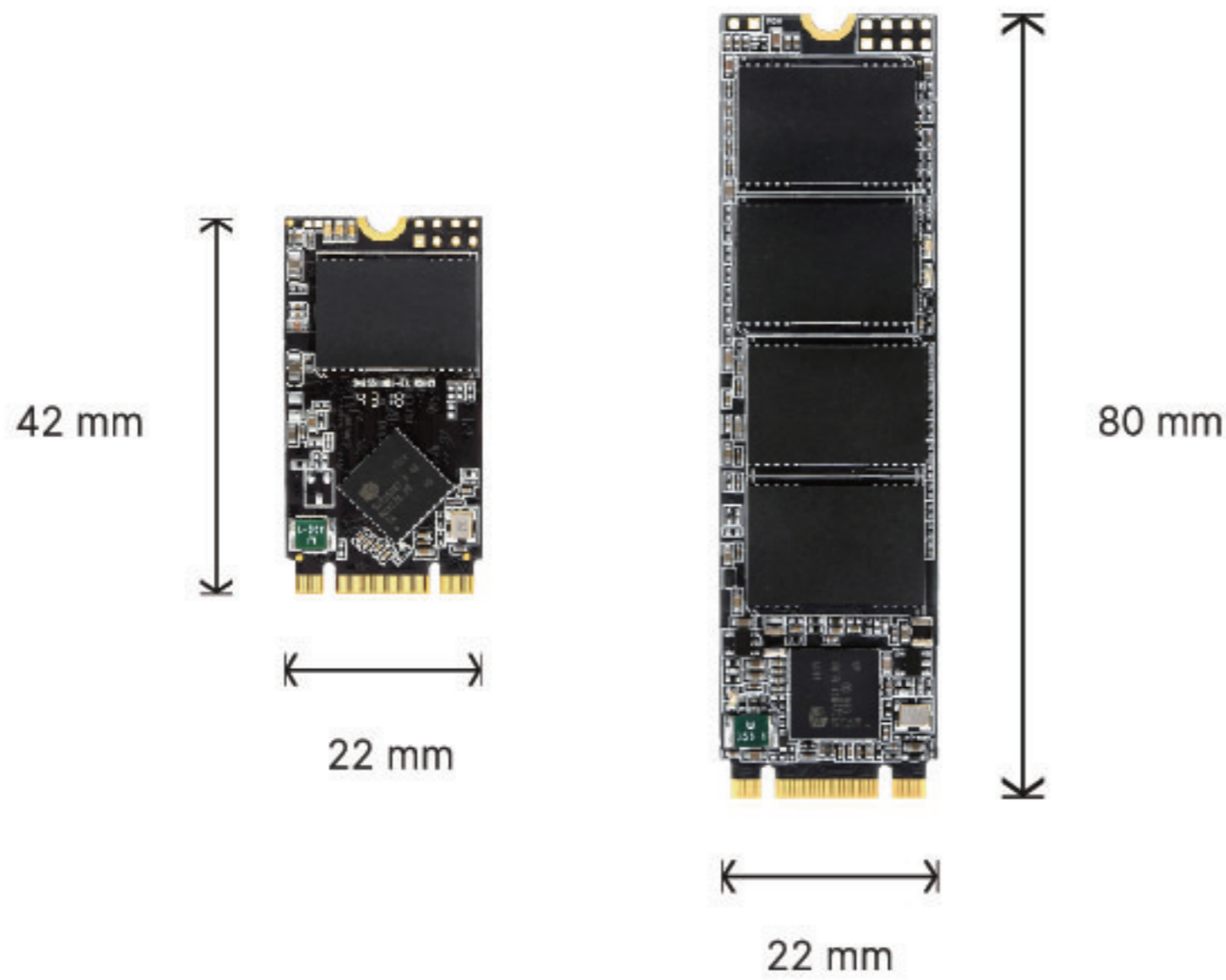
Up to **520** MB/s

Capacities

60GB-2TB

PCBA Size	54×43.2×5.7mm
Housing Size	100×69.85×7mm
Read / Write Speed	Up to 560 / 520 MB/s
Capacity	60GB / 64GB / 120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB
Flash Type	3D NAND
Working Voltage	DC 5V ±10%
Working Temperature	Commercial Grade: 0 to +70 °C
Storage Temperature	-40 to 85 °C
MTBF	>1,000,000 hours
Form Factor	2.5"(HDD compatible)
Interface	Supports 1-port 1.5/3.0/6.0Gbps SATA I/II/III interface
Compatibility	Full SATA hard disk compatible

M.2 SATA III SSD 2242 / 2280



Application

-  Notebook
-  Casino Gaming
-  Embedded/Industrial Systems
-  Medical Industry
-  Military and Aerospace

Read Speed

Up to **560** MB/s

Write Speed

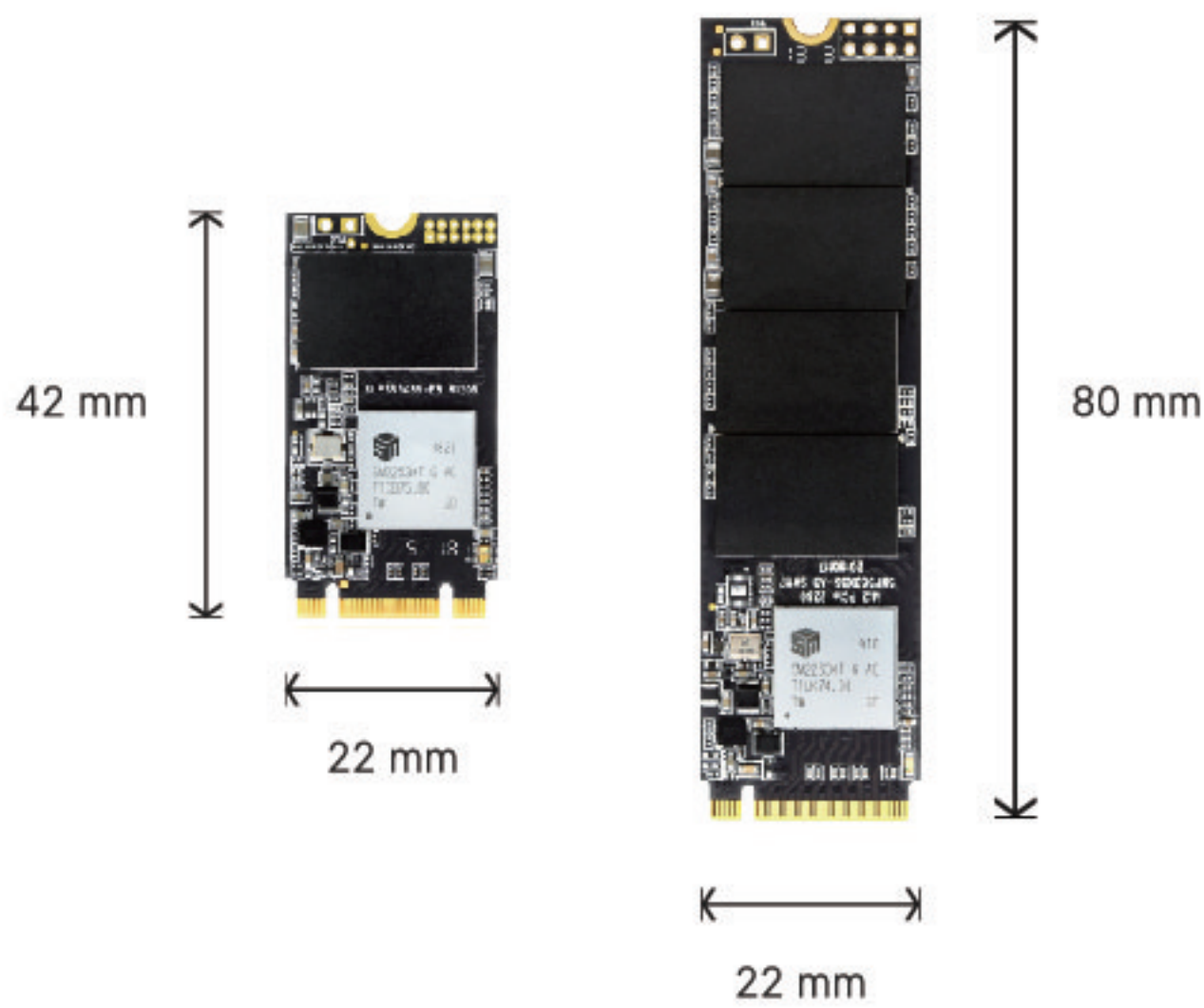
Up to **520** MB/s

Capacities

60GB-2TB

PCBA Size	42×22×3.2mm / 80×22×3.2mm
Read / Write Speed	Up to 560 / 520 MB/s
Capacity	60GB / 64GB / 120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 1920GB / 2TB
Flash Type	3D NAND
Working Voltage	DC 3.3V ±5%
Working Temperature	Commercial Grade: 0 to +70 °C
Storage Temperature	-40 to 85 °C
MTBF	>1,000,000 hours
Form Factor	M.2 Form Factor Type 2242, 2280
Interface	SATA III

M.2 PCIe SSD 2242 / 2280



Application

-  Notebook
-  Casino Gaming
-  Embedded/Industrial Systems
-  Medical Industry
-  Military and Aerospace

Read Speed

Up to **2100** MB/s

Write Speed

Up to **1700** MB/s

Capacities

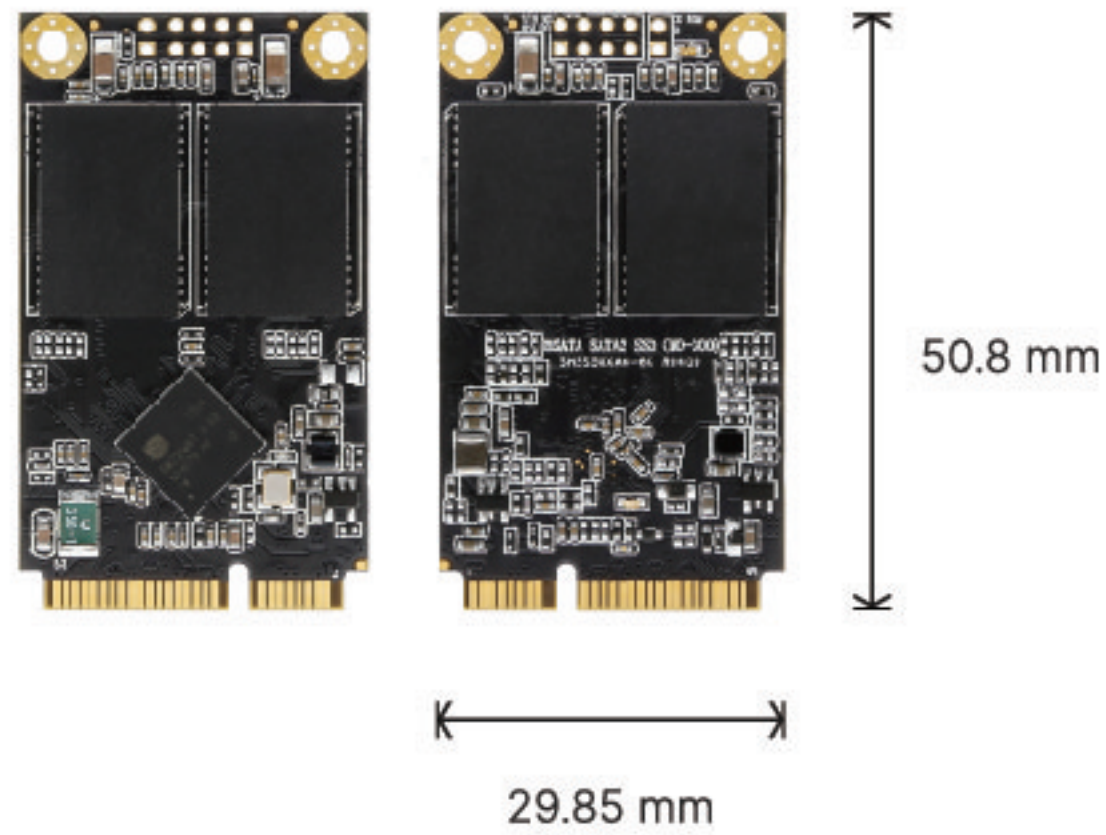
60GB-1TB

Features



- PCI Express Gen3: Single port X4 lanes
- Native-PCIe SSD with 2x Core ARM Cortex processor (SM226x family)

PCBA Size	42×22×3.2mm / 80×22×3.2mm
Read / Write Speed	Up to 2100 / 1700 MB/s
Capacity	60GB / 64GB / 120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB
Flash Type	3D NAND
Working Voltage	DC 3.3V ±5%
Working Temperature	Commercial Grade: 0 to +70 °C
Storage Temperature	-40 to 85 °C
MTBF	>1,000,000 hours
Form Factor	M.2 Form Factor Type 2242, 2280
Interface	NVMe PCIe Gen3×4

mSATA SSD



Application

-  Notebook
-  Casino Gaming
-  Embedded/Industrial Systems
-  Medical Industry
-  Military and Aerospace

Read Speed

Up to **560** MB/s

Write Speed

Up to **520** MB/s

Capacities

60GB-1TB

PCBA Size	50.8×29.85×3.8mm
Read / Write Speed	Up to 560 / 520 MB/s
Capacity	60GB / 64GB / 120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 1920GB / 2TB
Flash Type	3D NAND
Working Voltage	DC 3.3V ±5%
Working Temperature	Commercial Grade: 0 to +70 °C
Storage Temperature	-40 to 85 °C
MTBF	>1,000,000 hours
Form Factor	MO-300
Interface	SATA III

EXTERNAL STORAGE

Portable SSD

Micro Portable SSD

COB

mCOB

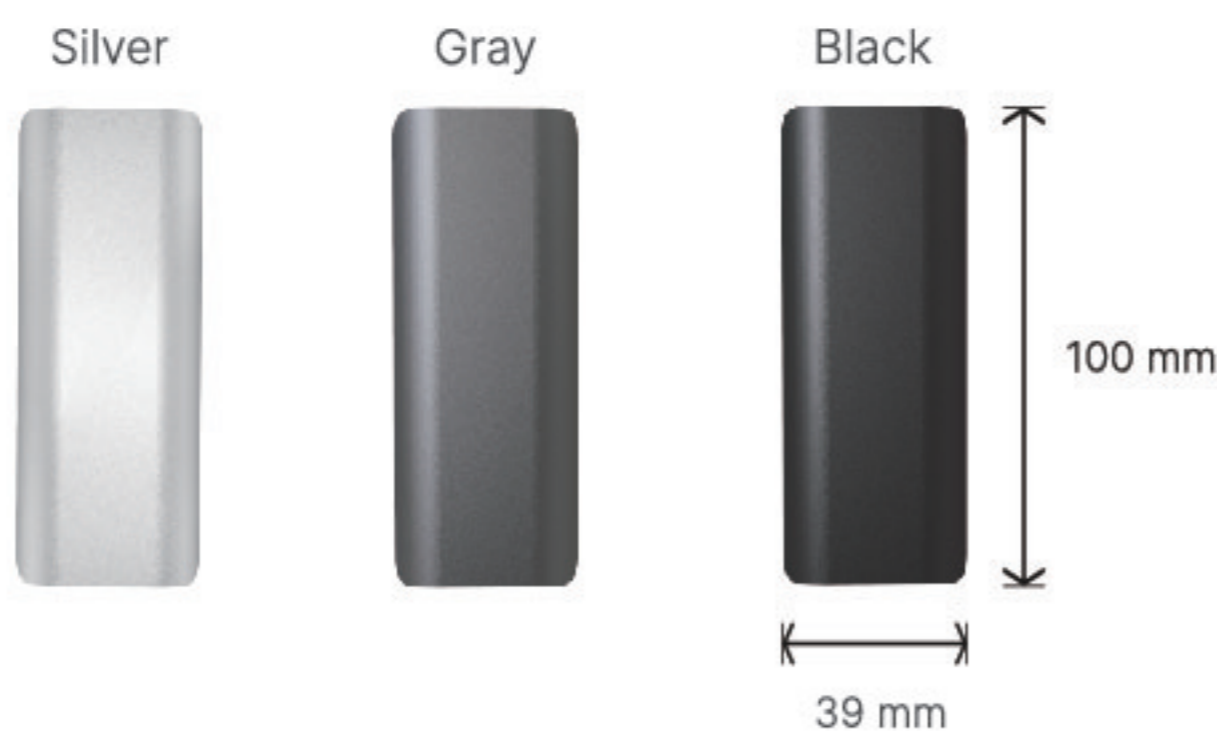
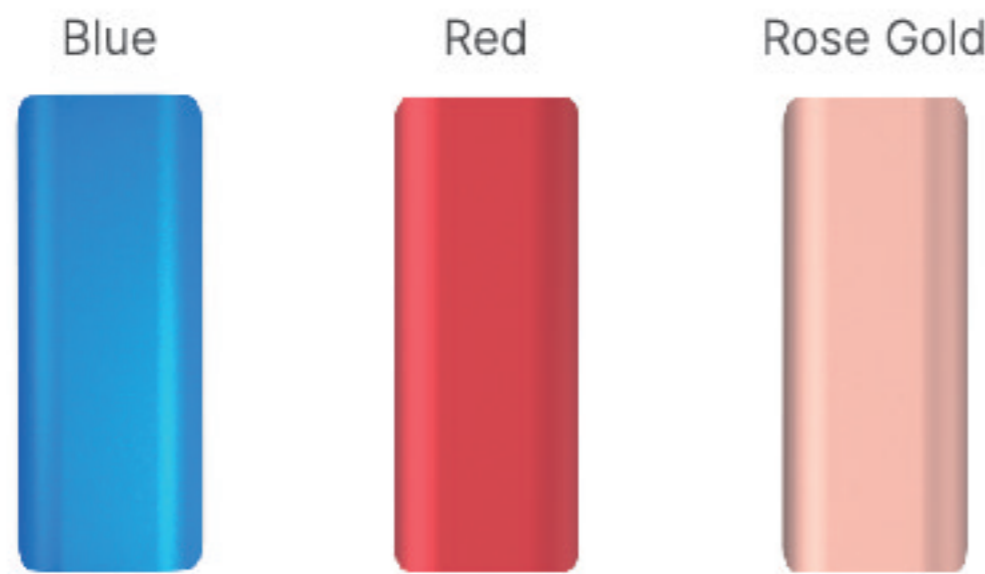
USB DRIVE PCBA



Portable SSD PCIe Gen 3x4

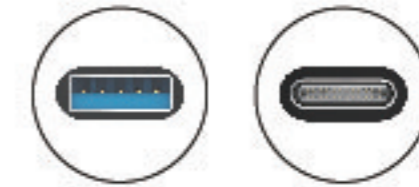
SSP13 PRO L100

 Plug and Play!



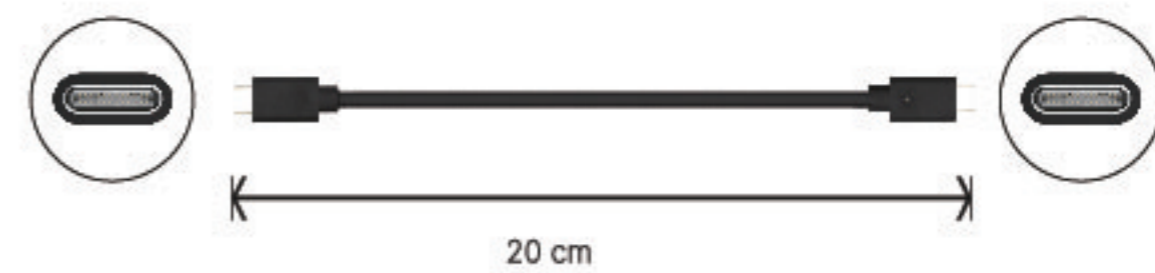
Accessory

Type C to A Adapter



Accessory

Type C to C Cable



Read Speed

Up to **970** MB/s

Write Speed

Up to **950** MB/s

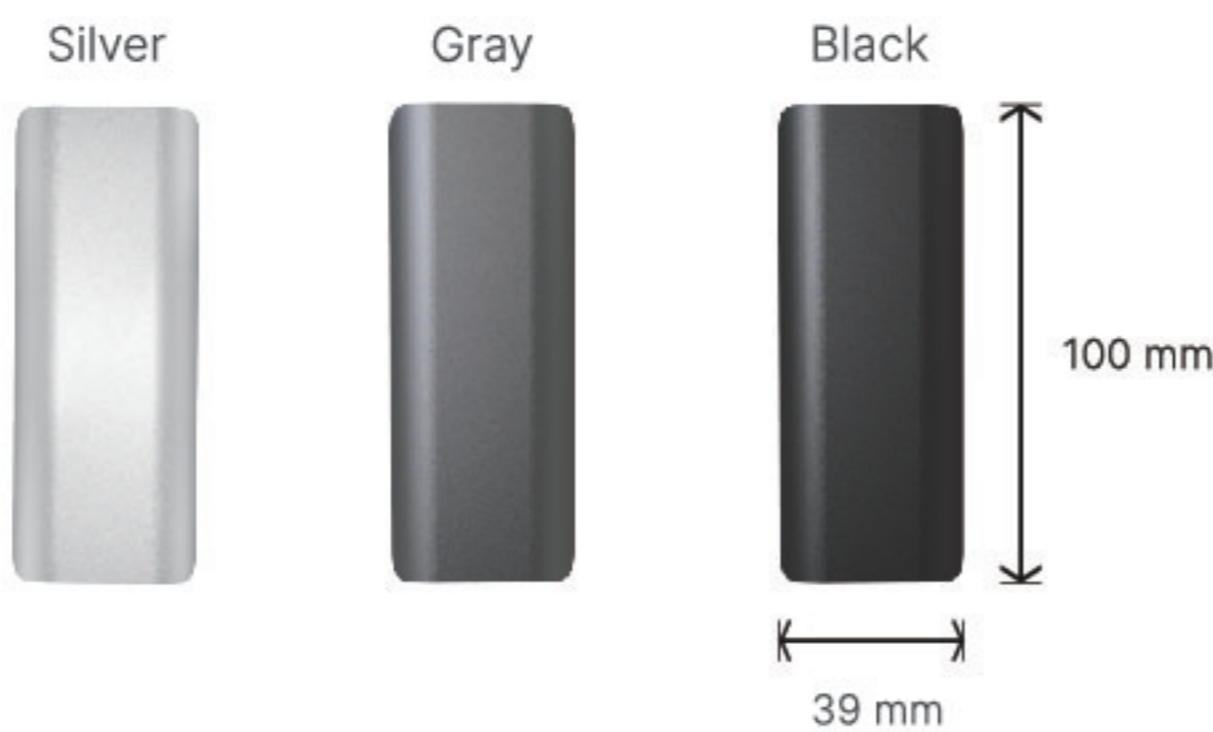
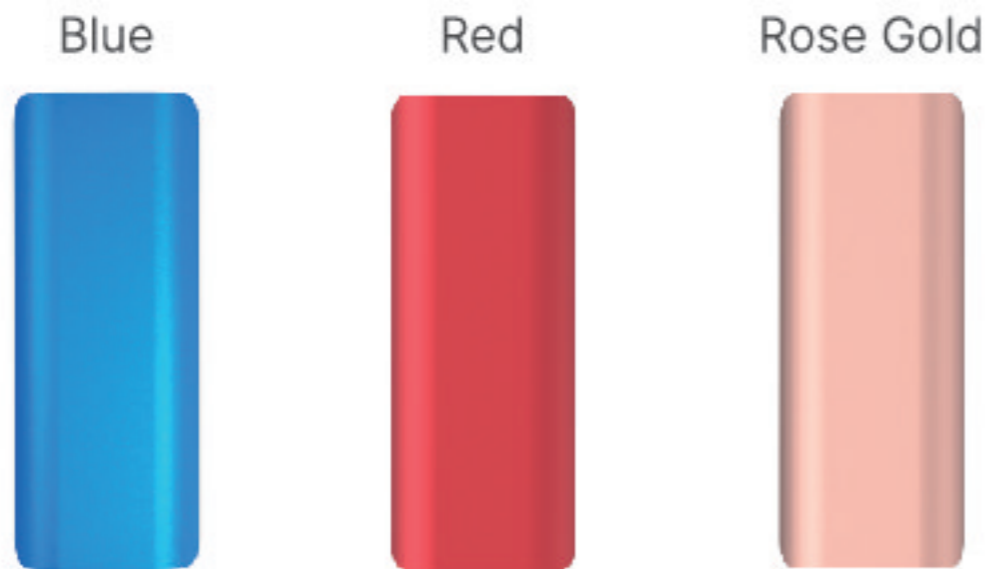
Capacities

128GB-1TB

Solution	PCIe SSD with USB 3.2 Gen 2 bridge
Read / Write Speed	Up to 970 / 950 MB/s
Capacity	128GB / 256GB / 512GB / 1TB
Color	Black / Blue / Gray / Red / Rose Gold / Silver
Dimensions (L x W x H)	100×39×8.6 mm
Weight	39g
Interface	USB 3.2 Gen 2 Type-C (compatible with USB 2.0)
Accessories	20cm USB Type-C to Type-C cable and a Type-C to Type-A adapter
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.6 and later, Android 5.0 and later with no device driver needed
Warranty	Limited 3-year

Portable SSD SSP13 L100

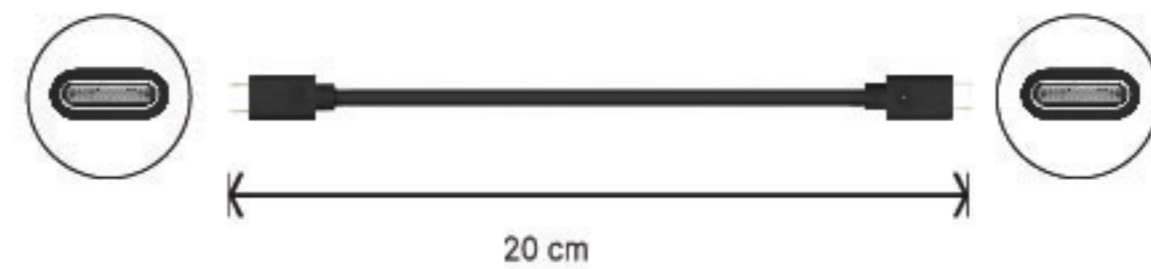
 Plug and Play!



Accessory Type C to A Adapter



Accessory Type C to C Cable



Read Speed

Up to 550 MB/s

Write Speed


Up to 500 MB/s

Capacities

128GB-2TB

Solution	SATA SSD with USB 3.2 Gen 2 bridge
Read / Write Speed	Up to 550 / 500 MB/s
Capacity	128GB / 256GB / 512GB / 1TB / 2TB
Color	Black / Blue / Gray / Red / Rose Gold / Silver
Dimensions (L x W x H)	100×39×8.6 mm
Weight	39g
Interface	USB 3.2 Gen 2 Type-C (compatible with USB 2.0)
Accessories	20cm USB Type-C to Type-C cable and a Type-C to Type-A adapter
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.6 and later, Android 5.0 and later with no device driver needed
Warranty	Limited 3-year

Portable SSD SSP13 L66

 Plug and Play!



Read Speed

Up to 550 MB/s

Write Speed

Up to 500 MB/s

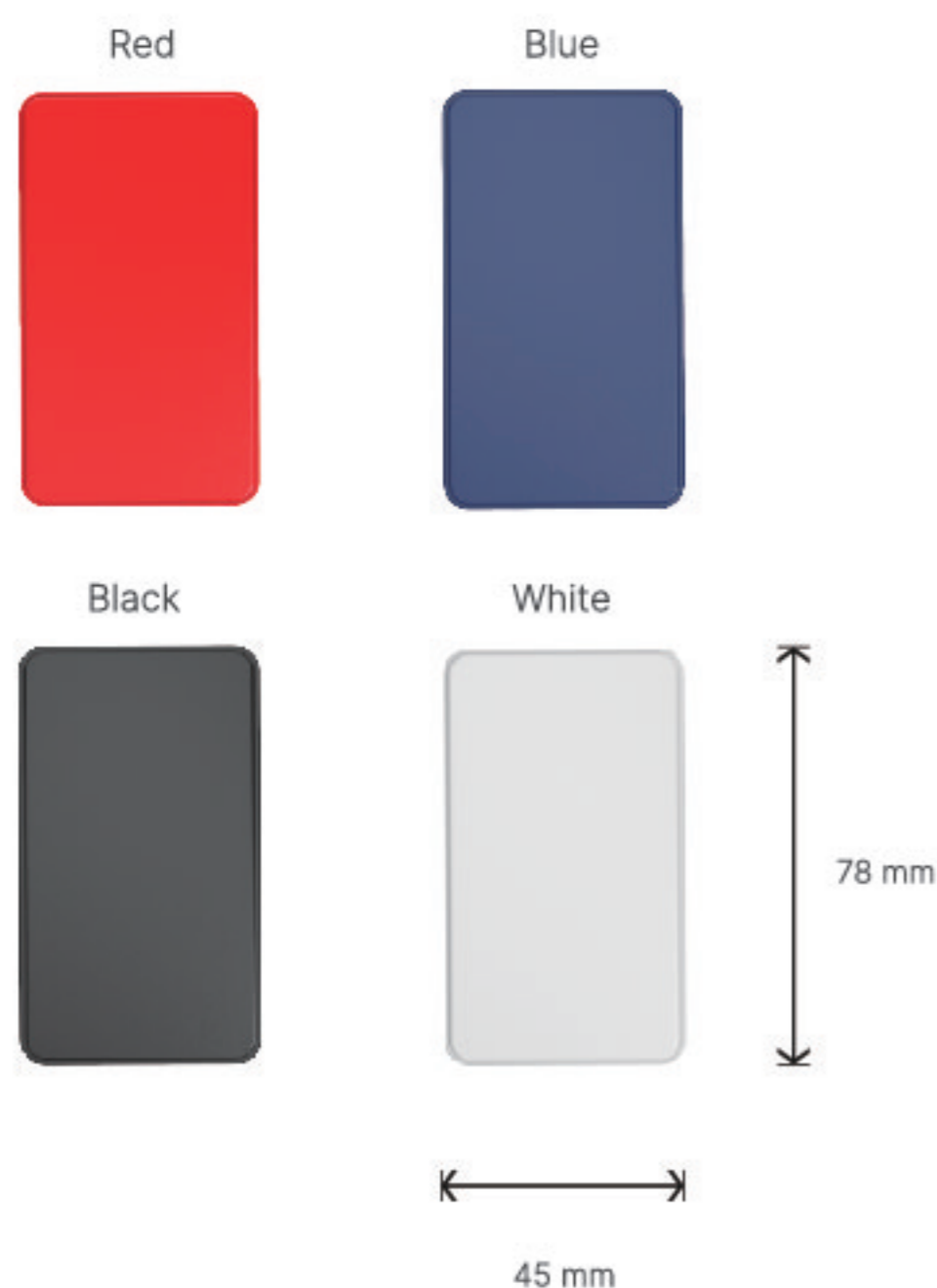
Capacities

128GB-1TB

Solution	SATA SSD with USB 3.2 Gen 2 bridge
Read / Write Speed	Up to 550 / 500 MB/s
Capacity	128GB / 256GB / 512GB / 1TB
Color	Black / Blue / Red / White
Dimensions (L x W x H)	66×39×8.6 mm
Weight	26g
Interface	USB 3.2 Gen 2 Type-C (compatible with USB 2.0)
Accessories	20cm USB Type-C to Type-C cable and a Type-C to Type-A adapter
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.6 and later, Android 5.0 and later with no device driver needed
Warranty	Limited 3-year

Portable SSD SSP11

 Plug and Play!



Read Speed

Up to 550 MB/s

Write Speed

Up to 500 MB/s

Capacities

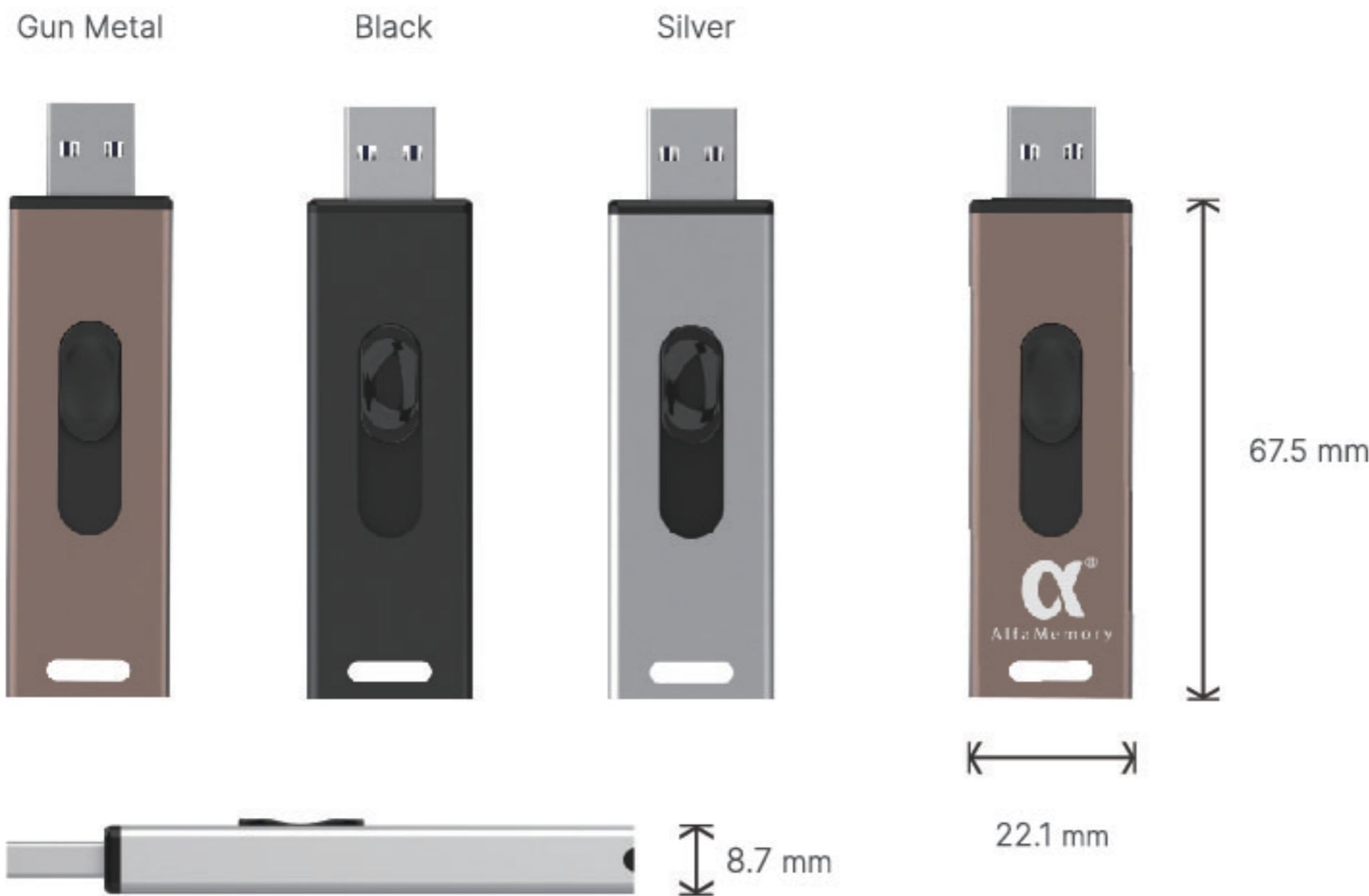
128GB-2TB

Solution	SATA SSD with USB 3.2 Gen 2 bridge
Read / Write Speed	Up to 550 / 500 MB/s
Capacity	128GB / 256GB / 512GB / 1TB / 2TB
Color	Black / Blue / Red / White
Dimensions (L x W x H)	78×45×10 mm
Weight	23g
Interface	USB 3.2 Gen 2 Type-C (compatible with USB 2.0)
Accessories	20cm USB Type-C to Type-C cable and a Type-C to Type-A adapter
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.6 and later, Android 5.0 and later with no device driver needed
Warranty	Limited 3-year

Micro Portable SSD

SSP15

 Plug and Play!



Read Speed

Up to **550** MB/s

Write Speed

Up to **500** MB/s

Capacities

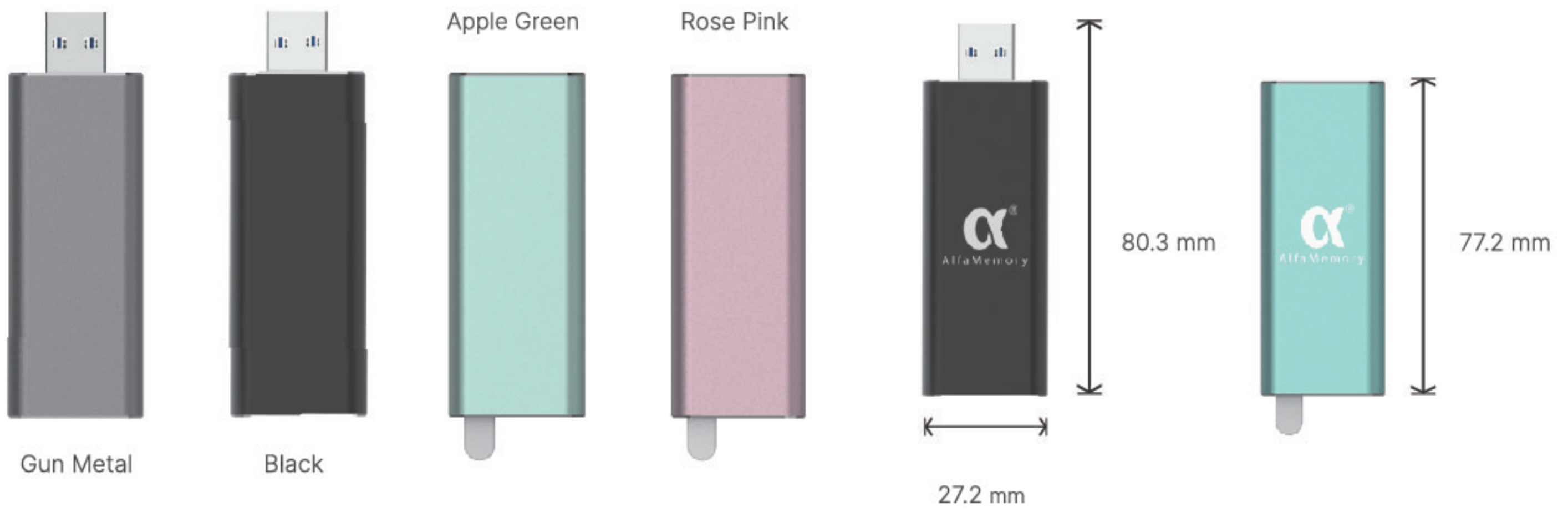
256GB-2TB

Solution	SSD with USB 3.2 Gen 2 bridge
Read / Write Speed	Up to 550 / 500 MB/s
Capacity	256GB / 512GB / 1TB / 2TB
Color	Black / Silver / Gun Metal
Texture	Aluminum + Plastic
Dimensions (L x W x H)	67.5×22.1×8.7 mm
Weight	15g
Interface	USB 3.2 Gen 2 Type-A(compatible with USB 2.0)
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.5 and above
Warranty	Limited 3-year

Autoretractable Micro Portable SSD SSP16



 Plug and Play!



Autoretractable Design USB automatically retracts when pulled out



Read Speed

Up to **550** MB/s

Write Speed

Up to **500** MB/s

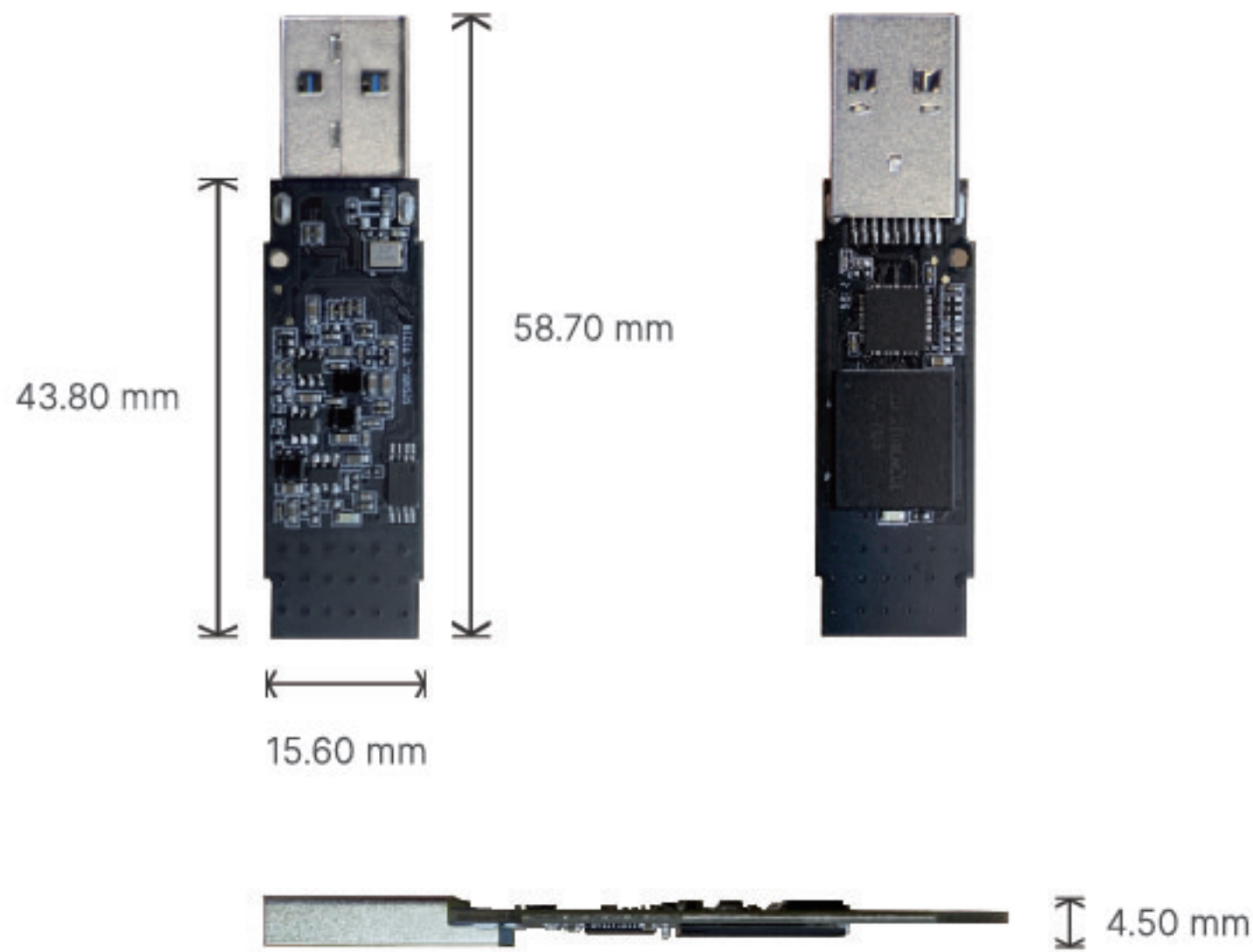
Capacities

256GB-2TB

Solution	SSD with USB 3.2 Gen 2 bridge
Read / Write Speed	Up to 550 / 500 MB/s
Capacity	256GB / 512GB / 1TB / 2TB
Color	Black / Silver / Gun Metal
Texture	Aluminum + Plastic
Dimensions (L x W x H)	77.2×27.2×8.8 mm
Weight	16g
Interface	USB 3.2 Gen 2 Type-A(compatible with USB 2.0)
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.5 and above
Warranty	Limited 3-year

Micro Portable SSD UFS Solution

 Plug and Play!



CrystalDiskMark 6.0.2 x64		
File Settings Theme Help Language		
All	2	1GiB
D: 0% (0/477GiB)		
	Read [MB/s]	Write [MB/s]
Seq Q32T1	436.3	346.8
4KiB Q8T8	167.3	162.4
4KiB Q32T1	166.6	163.2
4KiB Q1T1	18.56	36.38

Read Speed

Up to **430** MB/s

Write Speed

Up to **330** MB/s

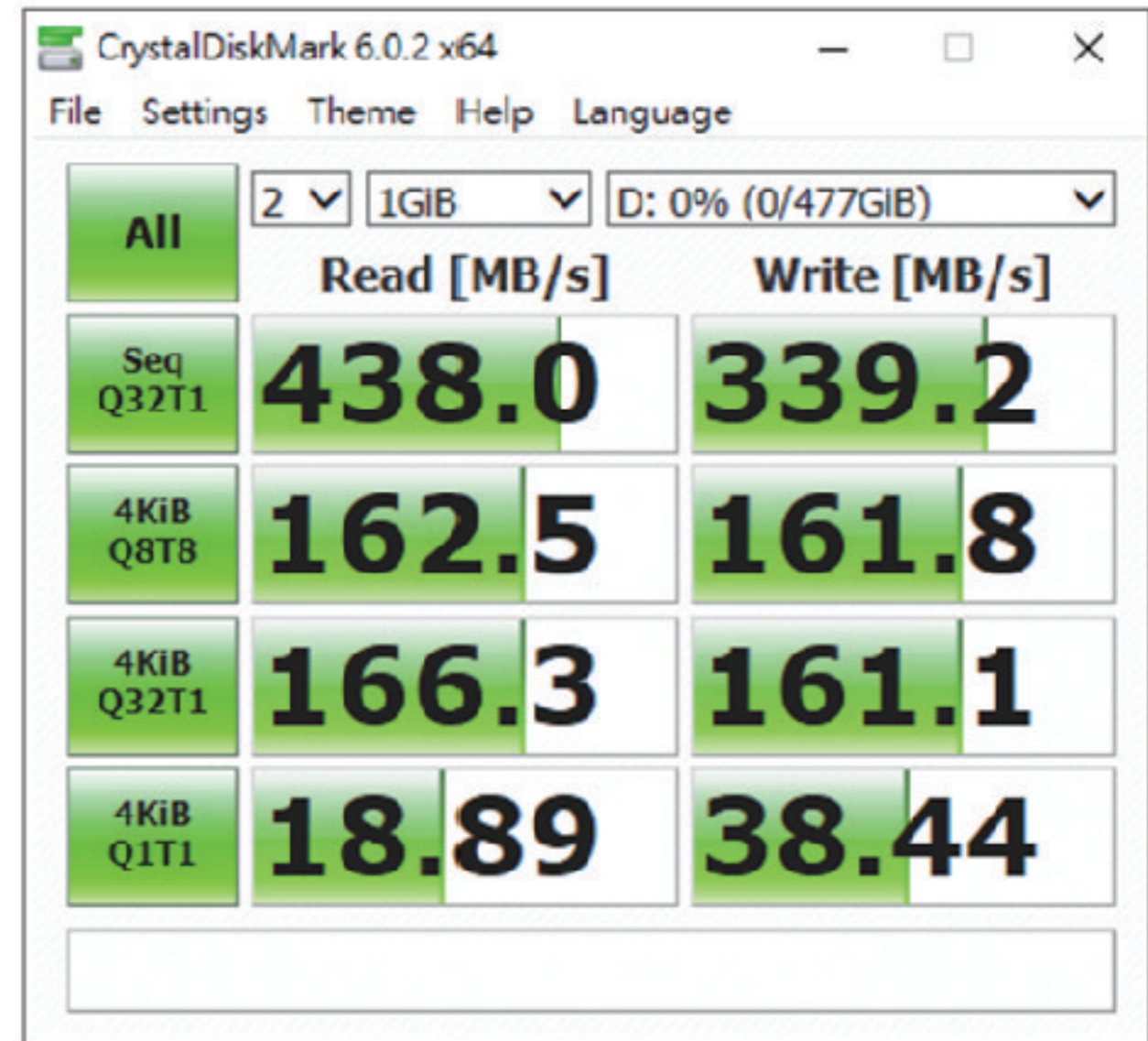
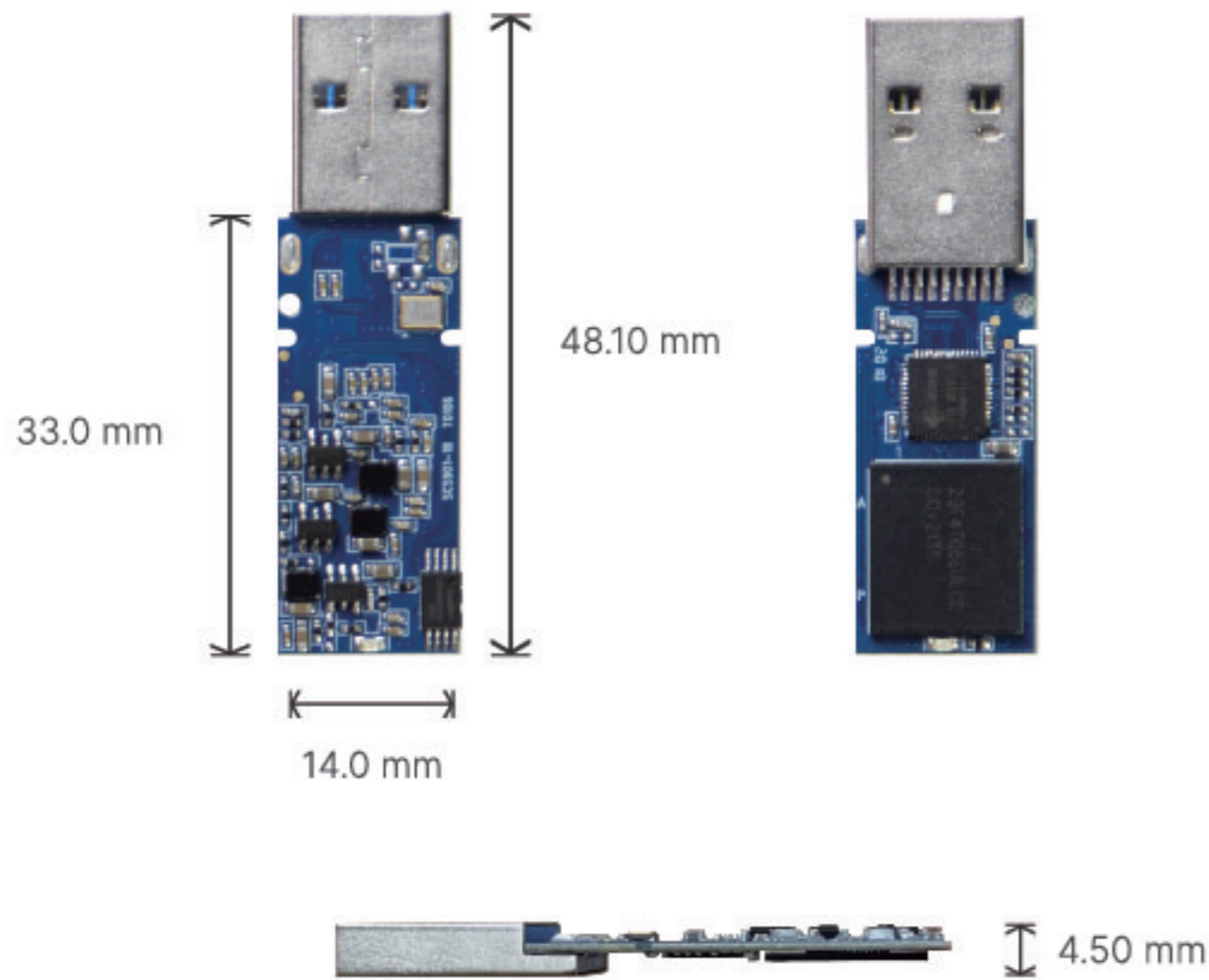
Capacities

256GB-512GB

Solution	UFS with USB 3.2 Gen 1 Bridge
Read / Write Speed	Up to 430 / 330 MB/s
Capacity	256GB / 512GB
Dimensions (L x W x H)	58.7×15.6×4.5 mm
Weight	5g
Interface	USB 3.2 Gen 1 Type-A
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.5 and above
Warranty	Limited 3-year

Micro Portable SSD UFS Solution Panda

Plug and Play!



Read Speed

Up to 430 MB/s

Write Speed

Up to 330 MB/s

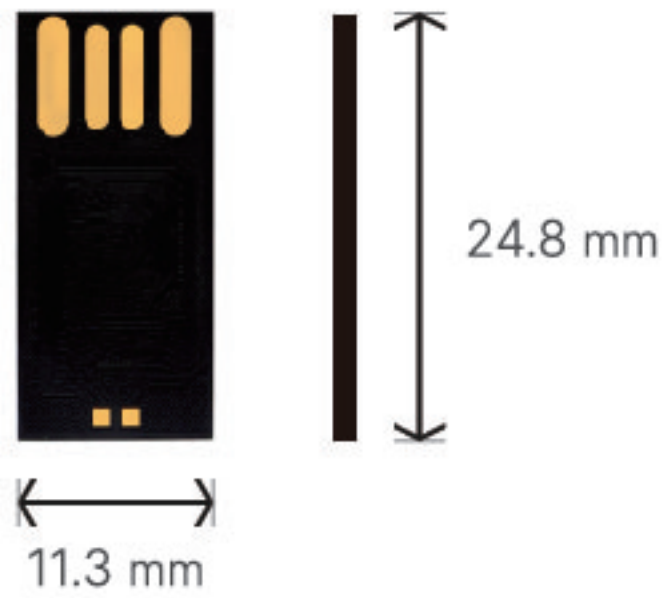
Capacities

256GB-512GB

Solution	UFS with USB 3.2 Gen 1 Bridge
Read / Write Speed	Up to 430 / 330 MB/s
Capacity	256GB / 512GB
Dimensions (L x W x H)	48.1×14.0×4.5 mm
Weight	4g
Interface	USB 3.2 Gen 1 Type-A
System Requirements	Windows XP/7/8/8.1/10/11, Mac OS X 10.3 and later, Linux Kernel 2.5 and above
Warranty	Limited 3-year

COB / mCOB

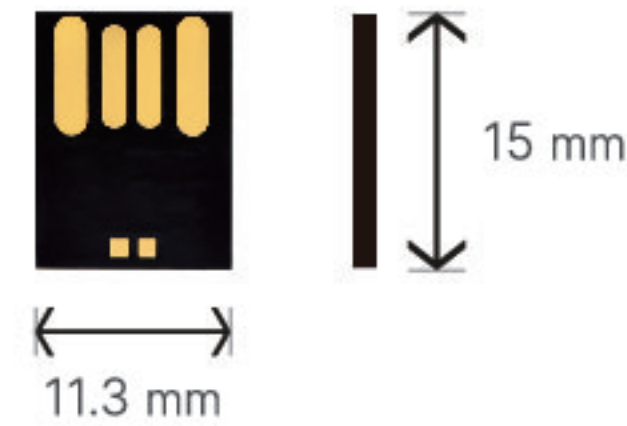
USB COB 2.0



Dimension
24.8×11.3×1.4 mm

Capacities
8GB 16GB 32GB
64GB 128GB

USB mCOB 2.0

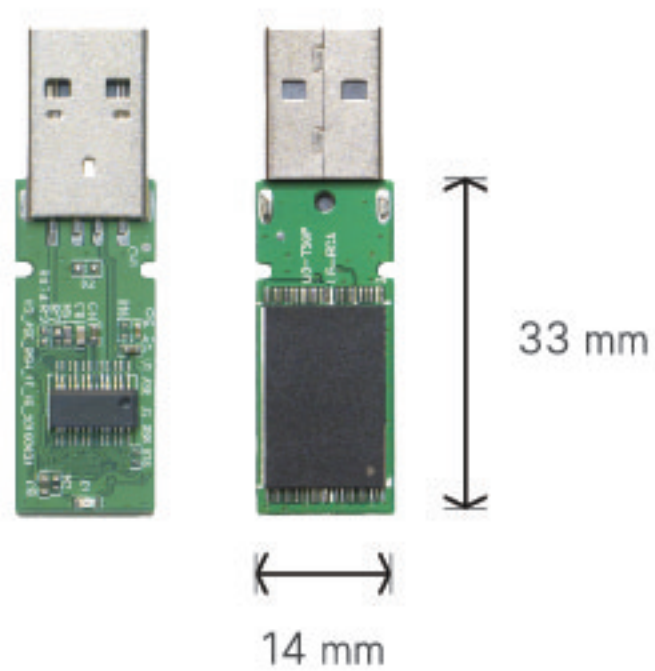


Dimension
15×11.3×1.4 mm

Capacities
8GB 16GB 32GB
64GB 128GB

USB Flash Drive PCBA

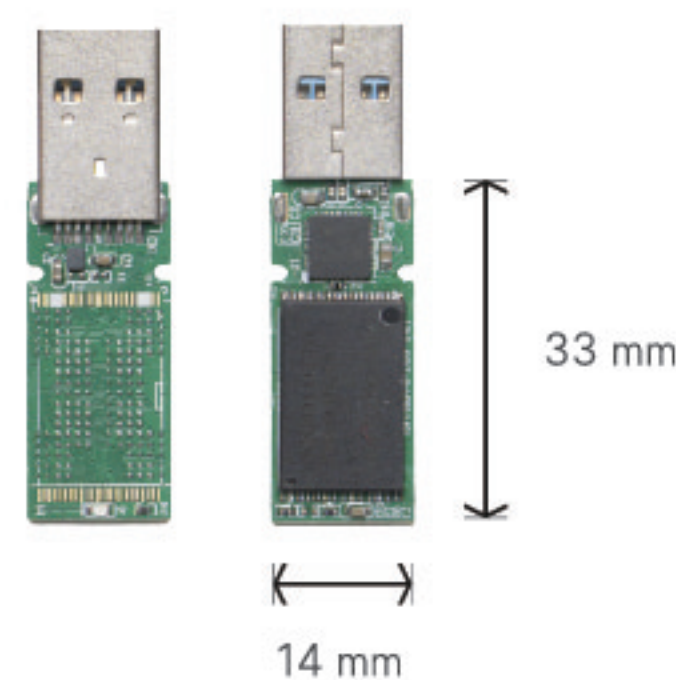
USB 2.0 PCBA



Dimension
33×14×1 mm

Capacities
4GB 8GB 16GB
32GB 64GB
128GB

USB 3.2 PCBA

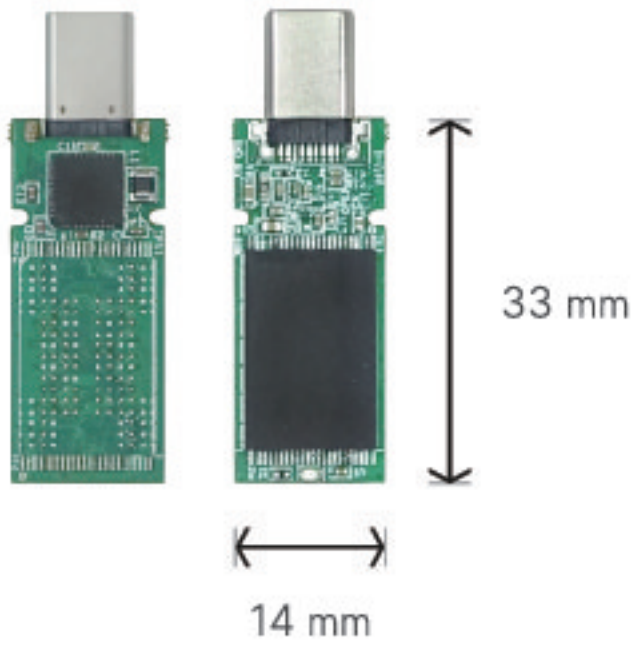


Dimension
33×14×1 mm

Capacities
4GB 8GB 16GB
32GB 64GB
128GB 256GB

USB Flash Drive PCBA

USB 3.2 PCBA (TYPE C)



Dimension

33×14×1 mm

Capacities

16GB 32GB 64GB
128GB




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