



M.2 External Storage

MS12

20Gbps SuperSpeed+ USB 3.2 Type-C to NVMe M.2 SSD enclosure

enclosure

- Latest USB 3.2 Gen2x2 Type-C interface up to 20Gbps SuperSpeed+ transfer rate
- Support various lengths of M.2 SSD (22x42mm, 22x60mm, 22x80mm)
- Support BOT and UAS Protocol
- Support TRIM command set
- Support NVMe: SCSI Translation Reference Rev. 1.5
- Support NVMe Error Reporting & Recovery
- S.M.A.R.T drive monitoring
- Compliant with PCI Express Base Specification Rev. 3.1a
- Compliant with NVM Express Base Specification Rev. 1.3c
- Aluminum alloy case and built-in thermal pad

Specifications

Model No.	SST-MS12
Color	Black
Material	Aluminum
Application	USB 3.2 Gen2x2 Type-C NVMe M.2 SSD
Controller	ASMedia ASM2364
Drive interface	PCIe Gen3 x4, NVMe 1.3
LED indicator	Powered: Solid Blue Data access: Blinking Blue
USB cable length	300±15mm
Net weight	53g
Size	106.15mm (W) x 15.3mm (H) x 33.3mm (D)
Thermal pad	
Thermal conductivity	2W/m.k
Operating Temp.	-40 °C ~ 220 °C
Thermal pad	Gray: 60 mm (W) x 0.5 mm (H) x 20mm (D) - pre-installed Gray White: 60 mm (W) x 1.5 mm (H) x 20mm (D) - pre-installed Blue 1: 60 mm (W) x 1 mm (H) x 20mm (D) Blue 2: 60 mm (W) x 2 mm (H) x 20mm (D)



**Latest USB 3.2 Gen2x2 Type-C interface
up to 20Gbps SuperSpeed+ transfer rate**



20Gbps SuperSpeed+ transfer rate

MS12 is an USB 3.2 Gen2x2 Type-C enclosure made for NVMe M.2 solid state drives that is capable of reaching up to 20Gbps of transfer rate

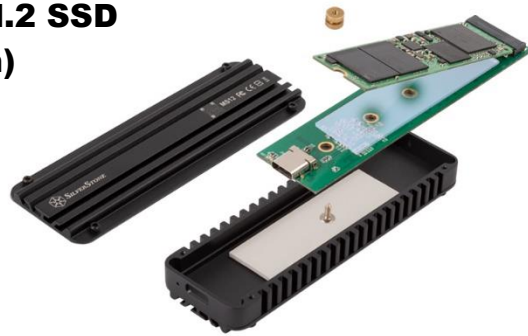
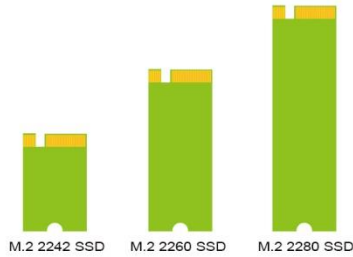
All	3	1GIB	D: 0.0% (1/477GiB)	MB/s
		Read [MB/s]	Write [MB/s]	
SEQ1M Q8T1		2073.73	2037.00	
SEQ1M Q1T1		1768.91	1752.19	
RND4K Q32T16		303.80	304.35	
RND4K Q1T1		43.83	88.07	

Test environment

ASROCK X570 Pro4 motherboard
 ADATA 8G DDR4 x2
 AMD Ryzen 7 3800X
 SST-ECU06 USB 3.2 Gen2x2 PCIe card
 SST-MS12 USB 3.2 Gen2x2 NVMe enclosure
 Samsung 960 Pro 512GB NVMe SSD



Support various lengths of M.2 SSD (22x42mm, 22x60, 22x80mm)



Aluminum alloy case and built-in thermal pad

MS12 is designed to effectively cool high performance M.2 NVMe SSD, even during prolonged burning sessions of 4+ hours, the MS12 can keep installed SSD running at maximum speed and stability

