

MS12-40G

USB4 NVMe M.2 SSD Enclosure with Active Cooling



- USB4 Type-C interface, capable of ultra-fast data transfer speeds up to 40Gbps.
- tool-free setup for NVMe M.2 SSDs.
- All-aluminum alloy enclosure with ultra-thin fan and bottom vent design for efficient heat dissipation
- NVMe M.2 SSD support (M KEY)
- Support TRIM command set
- Supports 22x42mm, 22x80mm lengths M.2 SSD

Model No.

SST-MS12B-40G

Color

Black

Controller IC

ASMedia ASM2464PD

Thermal Pad

Conductivity 2 W/m.k

Dimension Blue: 20mm(W) x 1.2mm(H) x 60mm(D) 0.79"(W) x 0.05"(H) x 2.36"(D)
 Gray White: 20mm(W) x 3.5mm(H) x 60mm(D) 0.79"(W) x 0.14"(H) x 2.36"(D)
 Gray: 20mm(W) x 2mm(H) x 60mm(D) 0.79"(W) x 0.08"(H) x 2.36"(D)

Fan

Dimension 30mm x 30mm
Bearing Sleeve bearing

HDD interface support

M.2 (NGFF) M Key

Drive support

1

Host interface

40Gbps USB4 Type-C

Support type of M.2 SSD

2242 / 2280

USB Cable

TYPE-C Cable length 280 ± 10mm

LED indicator

Powered : Solid Blue
 Data access : Blinking Blue

Dimension

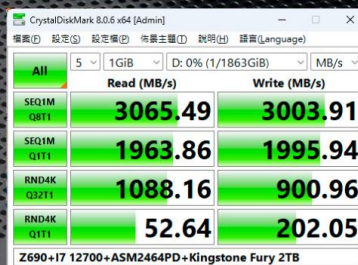
46mm(W) x 21.8mm(H) x 106mm(D)
 1.81"(W) x 0.86"(H) x 4.17"(D)

Net weight

124.5g

Ultra-Fast USB4

Achieve lightning speeds up to 40Gbps.



	Read (MB/s)	Write (MB/s)
SEQ1M QBT1	3065.49	3003.91
SEQ1M Q1T1	1963.86	1995.94
RND4K Q3T1	1088.16	900.96
RND4K Q1T1	52.64	202.05

Z690+i7 12700+ASM2464PD+Kingstone Fury 2TB

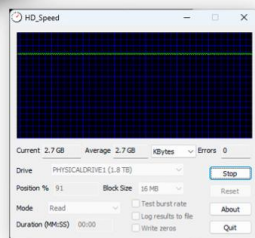
40Gbps

Test environment
CPU: i2700K
MB: Z690 AROUS XTREME
DRAM: G.SKILL Z5 16GX2 DDR5-6000 CL36
TESTING NVMe M.2 (M Key)
SSD : Kingston Fury 2TB



Efficient Cooling Design

All-aluminum enclosure with ultra-thin fan and bottom vent. even during prolonged burning sessions of 4+ hours, the MS12-40G can keep installed SSD running at maximum speed and stability



Tool-Free Installation

Effortless setup for M.2 NVMe (M-Key) SSDs.

