



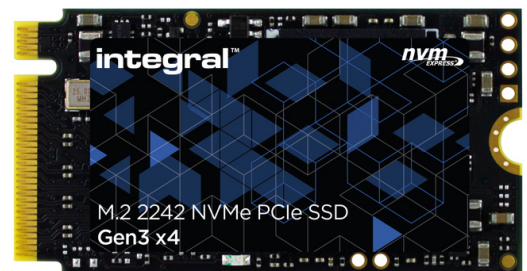
512 GB M.2 2242 NVMe SSD Gen3

The Integral Memory M.2 2242 NVMe Gen3 x4 PCIe SSD's compact 2242 form factor is intended to upgrade even the most space-constrained devices including PCs, NUCs, and ultra-thin tablets and laptops, achieving impressive read speeds of up to 3400MB/s, and write speeds reaching 3000MB/s. These newest NVMe Gen3 2242 SSDs dramatically reduce operating system boot times whilst the low power consumption helps extend battery life, making them the ideal solution for supercharging your work and home PCs and laptops. The 2242 Gen3 provides best-in-class performance as they feature the latest in error detection and correction and end-to-end data security.

3000MB/s Read*
2200MB/s Write*

* Based on internal testing; performance may vary depending on host device.

- M.2 2242 NVMe 1.3 PCIe Gen3 x4 SSD (PCI Express Gen3: Single port X4 lanes)
- Compact form factor compatible with PCs, NUCs, Ultra-thin laptops and tablets, including Acer, Alienware, Dell, HP and Lenovo
- Formidable 3000MB/s read and 2200MB/s write speeds for outstanding processing capabilities
- Size: 2242 (22x42mm)
- Easy to install and set-up - Double-Sided Chips
- Supports SMART and TRIM commands as well as HMB and AES 256
- Sophisticated error detection and correction (LDPC ECC) functions, data retention (JESD47 compliant), Dynamic and Static Wear-Levelling & Bad Block Management
- 5-year limited warranty or TBW - whichever is earlier applies



PRODUCT SPECS:

Capacity:	512 GB
Component For:	PCs, NUCs, Ultra-thin laptops and tablets
Form Factor:	PCIe Gen3 x 4
Mean time between failures (MTBF/ Hour):	1000000
TBW Rating:	180
NVMe:	Y
S.M.A.R.T Support:	Y
TRIM Support:	Y
Read Speed:	3000MB/s
Write Speed:	2200MB/s
Operating Voltage:	3.3V
Power Consumption (Read)(Watt):	2.79
Power Consumption (Write)(Watt):	3.34
Hardware Encryption:	N

TECHNICAL SPECS:

Interface:	PCIe Gen3x 4
Operating Temp:	0° to 70°C
Storage Temp:	-45° to 85°C
Sustainability Certificates:	RoHS
Certification:	CE, UKCA, FCC, RoHs
Warranty:	5 Year Limited Warranty

		PART CODE	BARCODE (EAN)		
512 GB		INSSD512GM2242G3	5055288449961		
		DEPTH	WIDTH	HEIGHT	WEIGHT
PRODUCT		0.8mm	22mm	42mm	3g
PACKED		23mm	102mm	127mm	43g