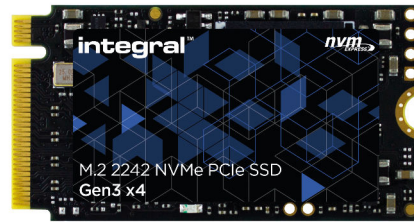


# Product Specification

## 512GB M.2 2242 NVMe Gen3 x 4PCIe SSD



The Integral Memory M.2 2242 NVMe Gen 3 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.

- 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 3400MB/s read and 3000MB/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

<b>SKU</b>	INSSD512GM2242G3
<b>EAN</b>	5055288449961

	<b>Width (mm)</b>	<b>Depth (mm)</b>	<b>Height (mm)</b>	<b>Weight (g)</b>
<b>Product</b>	22	0.8	42	3
<b>Packaging</b>	55	12	90	10

<b>Capacity</b>	512GB
<b>Component For</b>	PCs, NUCs & Laptops
<b>Form Factor</b>	PCIe Gen3 x 4
<b>Mean time between failures (MTBF) (hour)</b>	1000000
<b>TBW Rating</b>	365
<b>Flash Type</b>	TLC
<b>NVMe (Y/N)</b>	Y
<b>S.M.A.R.T support (Y/N)</b>	Y
<b>TRIM support (Y/N)</b>	Y
<b>Read speed (MB per second)</b>	3300
<b>Write speed (MB per second)</b>	2700
<b>Operating Voltage (Volt)</b>	3.3
<b>Power Consumption (Read) (Watt)</b>	2.79
<b>Power Consumption (Write) (Watt)</b>	3.34
<b>Hardware Encryption (Y/N)</b>	N

<b>Interface</b>	PCIe Gen3 x 4
<b>Operating temperature (T-T) (Degrees Celcius)</b>	0 - -70
<b>Storage temperature (T-T) (Degrees Celcius)</b>	-45 - 85
<b>Sustainability Certificates</b>	RoHS
<b>Certification</b>	UKCA, CE, FCC, RoHS