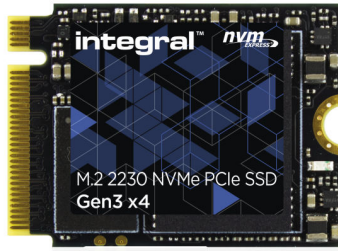# Product Specification

1TB M.2 2230 NVMe Gen3 x 4PCIe SSD

The Integral Memory M.2 2230 NVMe Gen3 x4 PCIe SSD's compact 2230 form factor is designed to upgrade even the most space limited devices including the Valve Steam Deck, ASUS ROG Ally, Microsoft Surface Pro and other ultra-thin tablets and laptops

- Compact form factor compatible with PCs, NUCs, Microsoft Surface Pro Series, Ultra-thin laptops and tablets, and portable gaming devices
- Guaranteed to work with and fit the Valve Steam Deck and ASUS ROG Ally handheld gaming consoles
- M.2 2230 NVMe 1.3 PCIe Gen3 x4 SSD (PCI Express Gen3: Single port X4 lanes)
- Formidable 3400MB/s read and 3000MB/s write speeds for outstanding processing capabilities
- Size: 2230 (22x30mm)
- Easy to install - Single-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

SKU	INSSD1TM2230G3
EAN	5055288450004

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	22	0.8	30	2
Packaging	55	12	90	8

Capacity	1TB
Component For	Steam Deck, PCs, NUCs, ROG Ally, Microsoft Surface Pro Series, Dell, HP, Lenovo Ultrabooks & Tablets
Form Factor	PCIe Gen3 x 4
Mean time between failures (MTBF) (hour)	1000000
TBW Rating	750
Flash Type	TLC
NVMe (Y/N)	Y
S.M.A.R.T support (Y/N)	Y
TRIM support (Y/N)	Y
Read speed (MB per second)	3400
Write speed (MB per second)	3000
Operating Voltage (Volt)	3.3
Power Consumption (Read) (Watt)	2.85
Power Consumption (Write) (Watt)	3.21
Hardware Encryption (Y/N)	N

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