

M2 Series M.2 2280 PCIe NVMe Gen3 SSD

The M2 Series M.2 PCIe NVMe Gen 3 SSDs are up to seven times faster in performance when compared to SATA SSDs and are compatible with most computing hardware and software that support the NVME standard, including small form factor machines (e.g Intel NUC), Ultrabooks and enthusiast desktops.

3500MB/s **Read***
3200MB/s **Write***

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

- Compliant with PCI Express Base Specification Rev 3.1
- Compliant with NVMe 1.4
- Non-volatile Flash Memory for outstanding data retention
- Ultra-efficient Block Management and Wear Levelling
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- 5 year warranty or TBW - whichever is earlier applies



PRODUCT SPECS:	
Component For:	PC
Form Factor:	M.2
Mean time between failures (MTBF/ Hour):	1500000
TBW Rating:	256
NVMe:	Y
S.M.A.R.T Support:	Y
TRIM Support:	Y
Operating Voltage:	3.3V
Power Consumption (Read)(Watt):	2.87
Power Consumption (Write)(Watt):	2.36
Hardware Encryption:	N

Capacity	Read	Write	IOPS Read	IOPS Write	TBW	PART CODE	BARCODE (EAN)
2TB	3500 MB/s	3100 MB/s	520K	400K	1360	INSSD2TM280NM2X	5055288449688
1TB (1024GB)	3450 MB/s	3200 MB/s	325K	255K	680	INSSD1TM280NM2	5055288447370
1TB (1000GB)	3450 MB/s	3200 MB/s	325K	255K	680	INSSD1TM280NM2X	5055288447363
512GB	3450 MB/s	2400 MB/s	170K	255K	340	INSSD512GM280NM2	5055288447356
500GB	3450 MB/s	2400 MB/s	170K	255K	340	INSSD500GM280NM2	5055288447349
256GB	3350 MB/s	1350 MB/s	110K	260K	128	INSSD256GM280NM2	5055288447332
250GB	3350 MB/s	1350 MB/s	110K	260K	128	INSSD250GM280NM2	5055288447325

TECHNICAL SPECS:

Protection Features: Shock Resistant
Interface: PCIe Gen3x 4
Operating Temp: 0° to 70°C
Storage Temp: -40° to 85°C
Operating Relative Humidity (percent): 5 - 95
Sustainability Certificates: RoHS
Certification: CE, UKCA, FCC, RoHs
Warranty: 5 Year Limited Warranty

	DEPTH	WIDTH	HEIGHT	WEIGHT
PRODUCT	0.8mm	22mm	80mm	6.4g
PACKED	23mm	102mm	127mm	46.4g