

Product Specification

256 GB UltimaPro X M.2 2280 PCIe NVMe SSD TCG OPAL 2.0 Version 2



UltimaPro X M.2 PCIe NVMe SSDs are up to four 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.

- PCIe Gen3x4
- Compliant with PCI Express Base Specification Rev 3.1
- Compliant with NVMe 1.3
- 3D TLC NAND Flash technology
- 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
- 3 year warranty or TBW - whichever is earlier applies

SKU	INSSD256GM280NUPX2
EAN	5055288446090

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	22	80	3.8	10
Packaging	65	8	114	58

Capacity (GB)	256 GB
Form factor	M.2
Mean time between failures (MTBF) (hour)	1800000
TBW rating	170
Flash type	3D TLC
NVMe (Y/N)	Y
Controller type	Phison E12
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Read speed (MB per second)	3100
Write speed (MB per second)	1100
Random read (4KB) (Input/Output Operations Per Second)	138000
Random write (4KB) (Input/Output Operations Per Second)	280000
Operating voltage (Volt)	3.3
Power consumption (read) (Watt)	4.6
Power consumption (write) (Watt)	3.2
Hardware encryption (Y/N)	N

Interface	PCI Express 3.1
Operating temperature (T-T) (degrees Celcius)	0 - 70
Storage temperature (T-T) (degrees Celcius)	-40 - 85
Operating relative humidity (H-H) (percent)	5 - 95
Non-operating shock (gravity)	1500
Certification	CE, FCC