Product Specification

512 GB UltimaPro X SATA III 2.5 SSD TCG OPAL 2.0 Version 2

The UltimaPro X is Integral s extreme performance SSD that can meet your most demanding gaming, graphic design, and video workflow needs. Ideal for gamers and power-users who demand extreme performance, the Integral UltimaPro X range of Solid State Drives are specifically engineered to compliment high-spec machines and provide the best gaming and multimedia application performance. The Integral UltimaPro X range offers extreme performance at great value

- 2.5 inch form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- 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	INSSD512GS625UPX2
EAN	5055288446052

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	69.8	100	7	50
Packaging	107	13	133	64

Capacity (GB)	512 GB
Form factor	2.5"
ECC (Y/N)	Y
Mean time between failures (MTBF) (hour)	1600000
TBW rating	355
Flash type	3D TLC
NVMe (Y/N)	N
Controller type	Phison S12
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Data transfer rate (GB per second)	6
Read speed (MB per second)	550
Write speed (MB per second)	530
Random read (4KB) (Input/Output Operations Per Second)	98000
Random write (4KB) (Input/Output Operations Per Second)	90000
Operating voltage (Volt)	5
Power consumption (read) (Watt)	2.1
Power consumption (write) (Watt)	1.8
Hardware encryption (Y/N)	N

Interface	Serial ATA III
Operating temperature (T-T) (degrees Celcius)	0 - 70
Storage temperature (T-T) (degrees Celcius)	-40 - 85
Operating relative humidity (H-H) (percent)	0 - 90
Non-operating shock (gravity)	1500
Certification	CE, FCC