

# Product Specification

## 480 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

<b>SKU</b>	INSSD480GS625UPX2
<b>EAN</b>	5055288442849

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

<b>Capacity (GB)</b>	480 GB
<b>Form factor</b>	2.5"
<b>ECC (Y/N)</b>	Y
<b>Mean time between failures (MTBF) (hour)</b>	1600000
<b>TBW rating</b>	919
<b>Flash type</b>	3D TLC
<b>NVMe (Y/N)</b>	N
<b>Controller type</b>	Phison S12
<b>S.M.A.R.T. support (Y/N)</b>	Y
<b>TRIM support (Y/N)</b>	Y
<b>Data transfer rate (GB per second)</b>	6
<b>Read speed (MB per second)</b>	550
<b>Write speed (MB per second)</b>	530
<b>Random read (4KB) (Input/Output Operations Per Second)</b>	83000
<b>Random write (4KB) (Input/Output Operations Per Second)</b>	84000
<b>Operating voltage (Volt)</b>	5
<b>Power consumption (read) (Watt)</b>	2.095
<b>Power consumption (write) (Watt)</b>	1.8
<b>Hardware encryption (Y/N)</b>	N

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