

UltimaPro X 2.5" SATA III SSD - Version 2

READ 560MB/s*
WRITE 530MB/s*

Up to 96K IOPS (write)**



240 GB

256 GB

480 GB

512 GB

960 GB

1 TB

1920 GB

2 TB

3840 GB

INTRODUCTION

The UltimaPro X is Integral's extreme performance SSD that can meet your most demanding gaming, graphic design, and video workflow needs.

Powered by Phison's S12 controller, the UltimaPro X SSD delivers super-fast speeds of up to 560MB/s* read and 530MB/s* write, with read/write IOPS of up to 96k**.

UltimaPro X 2.5" SSDs are offered in an industry standard low-profile 7mm form factor which enable installation in most desktops, laptops, Ultrabooks, media centre PCs as well as video recording hardware and professional recording cameras.

Choose the UltimaPro X SSD for your extreme performance needs. Specifically engineered to compliment high-specification machines and provide the best gaming and multimedia application performance.

The UltimaPro X SSD has a high read/write IOPS threshold that makes use of every bit of the SSD's superior hardware, giving you the finest experience in professional solid state computing.

- The UltimaPro X features 256-bit hardware encryption, with support for Trusted Computing Group (TCG) Opal 2.0. This ensures compatibility with 3rd party security software from Independent Software Vendors (ISVs), providing strong data security and assisting compliance with regulations such as the General Data Protection Regulation (GDPR).

KEY BENEFITS

- Providing an industry-leading bandwidth of more than 560MB/sec* read and 530MB/s* write, the Integral UltimaPro X 2.5" SSD can approach the limits of the SATA III 6Gb/s interface on large transfers.
- Maximum random read/write IOPS up to 96,000**
- Gamers will benefit from faster loading times, exceptional performance and a more enjoyable gaming experience
- Power-users, content editors, graphic designers and general multi-taskers will all benefit from an ultra-responsive system and super-fast boot
- Improved video workflow when used in: Digital film recording, live broadcast, video editing, colour correction and visual effects
- Efficient bad block management and reduced write amplification further increases endurance. Drive health is monitored using an SSD-specific set of S.M.A.R.T. attributes. The combination of these techniques provides excellent data protection.

BENEFITS

- Read up to 560MB/s*, Write up to 530MB/s*
- No mechanical parts
- Highest reliability; less likely to fail than HDD
- Extreme shock resistance
- Zero noise
- No heat generation
- Low power consumption - improved battery life on laptops/netbooks

FEATURES

- 2.5 inch form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Fully compatible with devices and OS that support the SATA standard
- 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

TECHNICAL

- 3D TLC-NAND Flash Technology
- SATA III 2.5"
- TRIM (OS support required)
- S.M.A.R.T. option
- CE and FCC certified and RoHs compliant

* 960GB model performance **240GB model performance

CAPACITIES & INTERFACE	
Capacities available	240GB, 256GB, 480GB, 512GB, 960GB, 1TB, 1920GB, 2TB, 3840GB
Controller Technology	Phison S12
NAND	3D TLC
Form Factor	2.5 Inch
Interface	SATA III 6Gbps Also Compatible with SATA II 3Gbps Also Compatible with SATA 1.5Gbps
Sequential Speed (up to) ^{1,2}	240GB = READ 550MB/s, WRITE 540MB/s 256GB = READ 550MB/s, WRITE 530MB/s 480GB = READ 550MB/s, WRITE 530MB/s 512GB = READ 550MB/s, WRITE 530MB/s 960GB = READ 560MB/s, WRITE 530MB/s 1TB = READ 550MB/s, WRITE 530MB/s 1920GB = READ 560MB/s, WRITE 530MB/s 2TB = READ 550MB/s, WRITE 530MB/s 3840GB = READ 550MB/s, WRITE 520MB/s
IOPS ³	240GB = READ 96K, Write 83K 256GB = READ 89K, Write 87K 480GB = READ 83K, Write 84K 512GB = READ 98K, Write 90K 960GB = READ 87K, Write 86K 1TB = READ 99K, Write 90K 1920GB = READ 82K, Write 83K 2TB = READ 98K, Write 90K 3840GB = READ 95K, Write 69K
TBW ⁴	240GB = 431 256GB = 165 480GB = 919 512GB = 355 960GB = 1796 1TB = 725 1920GB = 3675 2TB = 1550 3840GB = 7275

DIMENSIONS	
Length mm	100.00
Width mm	69.85
Height mm	7.0
Weight	50g
Packaged Weight	64g
Packaged Dimensions (mm)	L = 133, W = 117, D = 13

POWER CONSUMPTION	
Power Management	5V
Power Consumption (mW) ⁵	240GB - Read 2040, Write 1800, Idle 66 256GB - Read 2000, Write 1700, Idle 180 480GB - Read 2095, Write 1800, Idle 66 512GB - Read 2100, Write 1800, Idle 180 960GB - Read 2176, Write 1800, Idle 63.4 1TB - Read 2100, Write 1800, Idle 180 1920GB - Read 2264, Write 2000, Idle 82.2 2TB - Read 2200, Write 2000, Idle 180 3840GB - Read 2700, Write 3900, Idle 180

ENVIRONMENTAL	
Operating Temp	0° - +70°C
Storage Temp	-40° - +85°C
Humidity ⁶	RH 90% under 40°C (operational)
Shock (non-operational)	Acceleration Force 1500G
Vibration (non-operational)	Frequency/Displacement = 20Hz~1.52mm Frequency/Acceleration = 80Hz~2000Hz/20G

FEATURES	
Supports SMART Software	Yes
Supports TRIM	Yes (OS support required)
ECC scheme	LDPC
MTBF	>1.6 Million Hours
Compliance	CE, FCC, RoHS

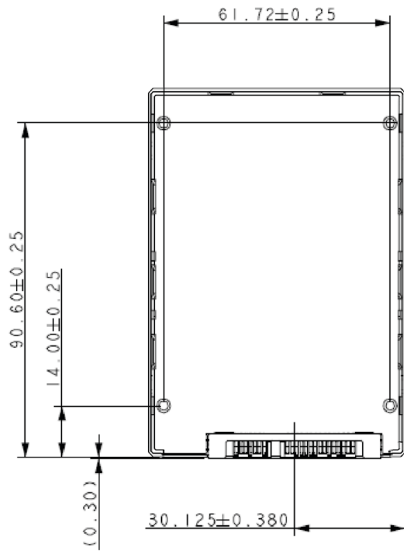
WARRANTY	
3 years	

CAPACITY	PART CODE	BARCODE (EAN)
240GB	INSSD240GS625UPX2	5055288442832
256GB	INSSD256GS625UPX2	5055288446045
480GB	INSSD480GS625UPX2	5055288442849
512GB	INSSD512GS625UPX2	5055288446052
960GB	INSSD960GS625UPX2	5055288442856
1TB	INSSD1TS625UPX2	5055288446069
1920GB	INSSD1920GS625UPX2	5055288442863
2TB	INSSD2TS625UPX2	5055288446076
3840GB	INSSD3.8TS625UPX2	5055288446083

1. Based on internal testing
 2. Sequential RW is measured using ATTO
 3. IOPS measure un IOMeter2006
 4. TBW is a measurement of SSDs expected lifespan, which represents the amount of data written to the device. This is only an estimate and can differ based in user usage behaviour, platform and estimates provided by the flash vendor
 5. Power Consumption may differ according to flash configuration, SDR configuration, and platform
 6. Humidity test was for 4 hours
- All Specification are subject to change without notice.

7mm to 9mm Adapter supplied with packaged product

Bottom View



Side View

