



Origin Storage Inception TLC830 Pro Series 500GB 2.5in SATA III 3D TLC SSD 6Gb/s 7mm

Brand : Origin Storage

Product code: OTLC5003DSATA/2.5



Product name : Inception TLC830 Pro Series 500GB 2.5in SATA III 3D TLC SSD 6Gb/s 7mm

- Read Intensive, Mobile/Desktop Based, Professional Solutions
 - Does not invalidate OEM warranty
 - 100% compatible replacement/upgrade for storage solutions
 - Pre- & Post-Sale UK Based Tech Support
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The Inception TLC830 Pro range of SSD Solutions are manufactured by Origin using the highest quality Tier 1 NAND and the latest generation of controllers which enables us to provide both high performance and strong reliability. All of our Inception SSDs come with 3 years advanced replacement warranty alongside free, in-house pre and post sales technical support. We can supply the TLC830 Pro in form factors of 2.5", 3.5" & M.2 with either SATA or NVME interfaces, whilst being available in a range of capacities designed to increase the performance & extend the lifecycle of any laptop or desktop.



Features		Features	
SSD form factor *	2.5"	Compatible products	Universal
SSD capacity *	500 GB	Power	
Interface *	Serial ATA III	Operating voltage	5 V
Memory type *	3D TLC	Power consumption (read)	2.48 W
NVMe *	✗	Power consumption (write)	4.26 W
Component for *	PC/notebook	Power consumption (idle)	0.47 W
Hardware encryption *	✗	Operational conditions	
Data transfer rate	6 Gbit/s	Operating temperature (T-T)	0 - 70 °C
Read speed	550 MB/s	Storage temperature (T-T)	-40 - 85 °C
Write speed	500 MB/s	Operating relative humidity (H-H)	5 - 98%
Random read (4KB)	53760 IOPS	Storage relative humidity (H-H)	5 - 98%
Random write (4KB)	58880 IOPS	Operating vibration	16 G
Access time	0.1 ms	Operating shock	1500 G
S.M.A.R.T. support	✓	Maximum operating altitude	120000 m
ECC	✓	Technical details	
Hot-swap	✗	Sustainability certificates	RoHS
Low-density parity-check (LDPC)	✓	Packaging data	
Mean time between failures (MTBF)	1000000 h	Storage drive adapter included	✗
TBW rating	200	Screws included	✗



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