



Origin Storage Inception TLC830 Pro Series 1TB PCIe 3.0 NVMe M.2 80mm 3D TLC

Brand : Origin Storage

Product code: OTLC1TB3DNVMEM.2/80

Product name : Inception TLC830 Pro Series 1TB PCIe 3.0 NVMe M.2 80mm 3D TLC



- 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 *	M.2	TBW rating	400
SSD capacity *	1 TB	Compatible products	Universal
Interface *	PCI Express 3.0	Power	
Memory type *	3D TLC	Operating voltage	3.3 V
NVMe *	✓	Power consumption (read)	2.84 W
Component for *	PC/Laptop	Power consumption (write)	3.22 W
Hardware encryption *	✗	Power consumption (idle)	0.47 W
Data transfer rate	8 Gbit/s	Operational conditions	
Read speed	2100 MB/s	Operating temperature (T-T)	0 - 70 °C
Write speed	1900 MB/s	Storage temperature (T-T)	-45 - 105 °C
Random read (4KB)	102400 IOPS	Operating relative humidity (H-H)	5 - 98%
Random write (4KB)	179200 IOPS	Storage relative humidity (H-H)	5 - 98%
Access time	0.2 ms	Operating vibration	16 G
PCI Express interface data lanes	x4	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	✗
Windows operating systems supported	✓	Screws included	✗
Linux operating systems supported	✓	Package type	Blister
		Logistics data	
		Harmonized System (HS) code	84717070



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