Origin Storage Inception TLC830 Pro Series 256GB PCIe 3.0 NVMe M.2 80mm 3D TLC

Brand : Origin Storage

Product code: OTLC2563DNVMEM.2/80

Product name : Inception TLC830 Pro Series 256GB 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.
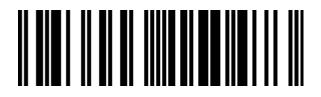
Features

Features	
NVMe version	1.3
SSD capacity *	256 GB
SSD form factor *	M.2
Interface *	PCI Express 3.0
NVMe *	✔
Memory type *	3D TLC
Component for *	PC/Laptop
Hardware encryption *	✘
M.2 SSD size	2280 (22 x 80 mm)
Data transfer rate	8 Gbit/s
Read speed	1950 MB/s
Write speed	1200 MB/s
Random read (4KB)	102400 IOPS
Random write (4KB)	179200 IOPS
Access time	0.2 ms
PCI Express interface data lanes	x4
S.M.A.R.T. support	✔
ECC	✔
Hot-swap	✘
Low-density parity-check (LDPC)	✔
Mean time between failures (MTBF)	1000000 h
Windows operating systems supported	✔

Features

Features	
Linux operating systems supported	✔
TBW rating	100
Market segment	Mobile

Power	
Operating voltage	3.3 V
Power consumption (read)	2.89 W
Power consumption (write)	2.83 W
Power consumption (idle)	0.48 W

Packaging data	
Storage drive adapter included	✘
Screws included	✘
Package type	Blister

Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Storage temperature (T-T)	-45 - 105 °C
Operating relative humidity (H-H)	5 - 98%
Storage relative humidity (H-H)	5 - 98%
Operating vibration	16 G
Operating shock	1500 G
Maximum operating altitude	120000 m

Other features	
Compliance certificates	RoHS
Compatible products	Universal

Logistics data	
Harmonized System (HS) code	84717070

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