



Origin Storage Inception TLC830 Pro Series 256GB M.2 (NGFF) 80mm SATA 3D TLC SSD

Brand : Origin Storage

Product code: OTLC2563DM.2/80

Product name : Inception TLC830 Pro Series 256GB M.2 (NGFF) 80mm SATA 3D TLC SSD



- 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 | | Power | |
|-------------------------------------|----------------|-----------------------------------|--------------|
| SSD form factor * | M.2 | Operating voltage | 3.3 V |
| SSD capacity * | 256 GB | Power consumption (read) | 2.78 W |
| Interface * | Serial ATA III | Power consumption (write) | 4.28 W |
| Memory type * | 3D TLC | Power consumption (idle) | 0.5 W |
| NVMe * | ✗ | Operational conditions | |
| Component for * | PC/Laptop | Operating temperature (T-T) | 0 - 70 °C |
| Hardware encryption * | ✗ | Storage temperature (T-T) | -45 - 105 °C |
| Data transfer rate | 6 Gbit/s | Operating relative humidity (H-H) | 5 - 98% |
| Read speed | 550 MB/s | Storage relative humidity (H-H) | 5 - 98% |
| Write speed | 500 MB/s | Operating vibration | 16 G |
| Random read (4KB) | 53760 IOPS | Operating shock | 1500 G |
| Random write (4KB) | 56320 IOPS | Maximum operating altitude | 120000 m |
| Access time | 0.2 ms | Technical details | |
| S.M.A.R.T. support | ✓ | Sustainability certificates | RoHS |
| ECC | ✓ | Weight & dimensions | |
| Hot-swap | ✗ | Weight | 7 g |
| 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 |
| TBW rating | 100 | Logistics data | |
| Compatible products | Universal | Harmonized System (HS) code | 84717070 |



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