



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 | Linux operating systems supported | ✓ |
| SSD capacity * | 256 GB | TBW rating | 100 |
| SSD form factor * | M.2 | Market segment | Mobile |
| Interface * | PCI Express 3.0 | Power | |
| NVMe * | ✓ | Operating voltage | 3.3 V |
| Memory type * | 3D TLC | Power consumption (read) | 2.89 W |
| Component for * | PC/Laptop | Power consumption (write) | 2.83 W |
| Hardware encryption * | ✗ | Power consumption (idle) | 0.48 W |
| M.2 SSD size | 2280 (22 x 80 mm) | Packaging data | |
| Data transfer rate | 8 Gbit/s | Storage drive adapter included | ✗ |
| Read speed | 1950 MB/s | Screws included | ✗ |
| Write speed | 1200 MB/s | Package type | Blister |
| Random read (4KB) | 102400 IOPS | Operational conditions | |
| Random write (4KB) | 179200 IOPS | Operating temperature (T-T) | 0 - 70 °C |
| Access time | 0.2 ms | Storage temperature (T-T) | -45 - 105 °C |
| PCI Express interface data lanes | x4 | Operating relative humidity (H-H) | 5 - 98% |
| S.M.A.R.T. support | ✓ | Storage relative humidity (H-H) | 5 - 98% |
| ECC | ✓ | Operating vibration | 16 G |
| Hot-swap | ✗ | Operating shock | 1500 G |
| Low-density parity-check (LDPC) | ✓ | Maximum operating altitude | 120000 m |
| Mean time between failures (MTBF) | 1000000 h | Other features | |
| Windows operating systems supported | ✓ | Compliance certificates | RoHS |
| | | Compatible products | Universal |
| | | Logistics data | |
| | | Harmonized System (HS) code | 84717070 |



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