



Product Datasheet

Inception TLC830 Series 480GB M.2 (NGFF) 80mm SATA 3D TLC SSD



- **Product Code:** OTLC4803DM.2/80
- **Product EAN:** 5056006154006
- **Warranty:** 3 Year Advanced Replacement

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.

Technical Specifications

Weight & Dimensions

Weight:

7 g

Power

Operating Voltage:

3.3 V

Power Consumption (read):

2.48 W

Power Consumption (write):

4.26 W

Power Consumption (idle):

0.47 W

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

Packaging Data

Storage Drive Adapter Included:

No

Screws Included:

No

Package Type:

Blister

Other Features

Compliance Certificates:

RoHS

Compatible Products:		Universal
Features		
SSD Capacity:		480 GB
SSD Form Factor:		M.2
Interface:		Serial ATA
NVMe:		No
Memory Type:		3D TLC
Component For:		PC/Laptop
Hardware Encryption:		No
Data Transfer Rate:		6 Gbit/s
Read Speed:		3150 MB/s
Write Speed:		2200 MB/s
Random Read (4KB):		53760 IOPS
Random Write (4KB):		58880 IOPS
Access Time:		0.2 ms
Seek Time:		0 ms
S.M.A.R.T. Support:		Yes
ECC:		Yes
Hot-swap:		No
Low-density Parity-check (LDPC):		Yes
Mean Time Between Failures (MTBF):		1000000 h
Windows Operating Systems Supported:		Yes
Linux Operating Systems Supported:		Yes
TBW Rating:		200

Logistics Data

Harmonized System (HS) Code:

84717070

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