



## Product Datasheet

### Inception TLC830 Pro Series 2TB 2.5in SATA 3D TLC SSD, Bare Drive



- **Product Code:** OTLC2TB3DSATA/2.5
- **Product EAN:** 5056006165156
- **Warranty:** 3 Year Advanced Warranty

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

<b>Width:</b>	100 mm
<b>Depth:</b>	70 mm
<b>Height:</b>	180 mm
<b>Weight:</b>	500 g

## Power

<b>Power Consumption (idle):</b>	0.52 W
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## Operational Conditions

<b>Operating Temperature (T-T):</b>	0 - 70 °C
<b>Storage Temperature (T-T):</b>	-40 - 85 °C
<b>Operating Relative Humidity (H-H):</b>	5 - 98%
<b>Storage Relative Humidity (H-H):</b>	5 - 98%
<b>Operating Vibration:</b>	16 G
<b>Operating Shock:</b>	1500 G
<b>Maximum Operating Altitude:</b>	120000 m

## Packaging Data

<b>Storage Drive Adapter Included:</b>	No
<b>Storage Drive Spacer Included:</b>	No
<b>Screws Included:</b>	No
<b>Quick Start Guide:</b>	No
<b>Manual:</b>	No

<b>Bundled Software:</b>	None
<b>Package Type:</b>	Blister

## Brand-specific Features

<b>Intel® Optane™:</b>	No
<b>Intel High Endurance Technology (HET):</b>	No
<b>Intel Stable Image Platform Program (SIPP):</b>	No
<b>Intel® Rapid Start Technology:</b>	No
<b>Intel® Remote Secure Erase:</b>	No
<b>Intel® Smart Response Technology:</b>	No

## Other Features

<b>Product Colour:</b>	Black
<b>LED Light:</b>	No
<b>Other Operating Systems Supported:</b>	Yes
<b>Compliance Certificates:</b>	RoHS
<b>Housing Material:</b>	Plastic
<b>Compatible Products:</b>	Universal - consumer/client grade

## Features

<b>SSD Capacity:</b>	2 TB
<b>SSD Form Factor:</b>	2.5"
<b>Interface:</b>	Serial ATA
<b>NVMe:</b>	No
<b>Memory Type:</b>	3D TLC
<b>Component For:</b>	PC/Laptop

<b>Hardware Encryption:</b>	No
<b>NAND Flash Type:</b>	TLC (Triple Level Cell)
<b>Data Transfer Rate:</b>	6 Gbit/s
<b>Read Speed:</b>	550 MB/s
<b>Write Speed:</b>	500 MB/s
<b>Random Read (4KB):</b>	69120 IOPS
<b>Random Write (4KB):</b>	66560 IOPS
<b>Access Time:</b>	0.1 ms
<b>Seek Time:</b>	0 ms
<b>S.M.A.R.T. Support:</b>	Yes
<b>ECC:</b>	Yes
<b>Hot-swap:</b>	No
<b>Password Protection:</b>	No
<b>Self-Encrypting Drive (SED):</b>	No
<b>Windows Operating Systems Supported:</b>	Yes
<b>Mac Operating Systems Supported:</b>	Yes
<b>Linux Operating Systems Supported:</b>	Yes
<b>TBW Rating:</b>	800
<b>SSD Usage Tag:</b>	Consumer

## Origin Storage Limited

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