



## Product Datasheet

### Inception TLC830 Pro Series 1TB PCIe 4.0 NVME M.2 80mm 3D TLC



- **Product Code:** CT1000P3PSSD8-OS
- **Product EAN:** 5059902045287
- **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

<b>Width:</b>	22 mm
<b>Depth:</b>	80 mm
<b>Height:</b>	2 mm
<b>Weight:</b>	6.5 g

## Operational Conditions

<b>Operating Temperature (T-T):</b>	0 - 70 °C
<b>Storage Temperature (T-T):</b>	-45 - 95 °C
<b>Operating Relative Humidity (H-H):</b>	5 - 98%
<b>Operating Vibration:</b>	15 G
<b>Operating Shock:</b>	1500 G

## Other Features

<b>Compliance Certificates:</b>	RoHS
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## Features

<b>SSD Capacity:</b>	1 TB
<b>SSD Form Factor:</b>	M.2
<b>Interface:</b>	PCI Express 4.0
<b>NVMe:</b>	Yes
<b>Memory Type:</b>	3D TLC
<b>Component For:</b>	PC/Laptop
<b>Hardware Encryption:</b>	No

<b>NVMe Version:</b>	2.0
<b>Security Algorithms:</b>	128-bit AES, 256-bit AES
<b>Read Speed:</b>	5000 MB/s
<b>Write Speed:</b>	4200 MB/s
<b>Random Read (4KB):</b>	4000 IOPS
<b>Random Write (4KB):</b>	3200 IOPS
<b>PCI Express Interface Data Lanes:</b>	x4
<b>S.M.A.R.T. Support:</b>	Yes
<b>TRIM Support:</b>	Yes
<b>ECC:</b>	Yes
<b>JEDEC Standard:</b>	Yes
<b>End-to-End Data Protection:</b>	Yes
<b>Windows Operating Systems Supported:</b>	Yes
<b>Mac Operating Systems Supported:</b>	Yes
<b>Linux Operating Systems Supported:</b>	Yes

## Origin Storage Limited

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