



## Product Datasheet

### 1TB External NVME USB C SSD with C-C & C-A Cable



- **Product Code:** SDSSDE61-1T00-G25-OS
- **Product EAN:** 5059902004499
- **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

Width:	117.5 mm
Depth:	13.5 mm
Height:	40 mm

## Power

Operating Voltage:	3.3 V
Power Consumption (read):	2.84 W
Power Consumption (write):	3.22 W
Power Consumption (max):	3.22 W
Power Consumption (average):	3.03 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:	36576 m

## Packaging Data

Storage Drive Adapter Included:	No
Screws Included:	No

<b>Package Type:</b>	Blister
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Other Features

<b>Product Colour:</b>	Aluminium, Grey
<b>Wi-Fi:</b>	No
<b>Compliance Certificates:</b>	RoHS
<b>Housing Material:</b>	Aluminium, Plastic
<b>Compatible Products:</b>	Universal

Features

<b>SSD Capacity:</b>	1 TB
<b>SSD Form Factor:</b>	M.2
<b>Interface:</b>	PCI Express 3.0
<b>NVMe:</b>	Yes
<b>Memory Type:</b>	3D TLC
<b>Component For:</b>	PC/Laptop
<b>Hardware Encryption:</b>	No
<b>Data Transfer Rate:</b>	640 Gbit/s
<b>Read Speed:</b>	2100 MB/s
<b>Write Speed:</b>	1900 MB/s
<b>Random Read (4KB):</b>	179000 IOPS
<b>Random Write (4KB):</b>	102000 IOPS
<b>Access Time:</b>	0.2 ms
<b>Seek Time:</b>	0 ms
<b>S.M.A.R.T. Support:</b>	Yes
<b>TRIM Support:</b>	Yes

Hot-swap:	No
Password Protection:	No
Mean Time Between Failures (MTBF):	1000000 h
Windows Operating Systems Supported:	Yes
Linux Operating Systems Supported:	Yes
TBW Rating:	100

Logistics Data

Harmonized System (HS) Code:	84717070
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