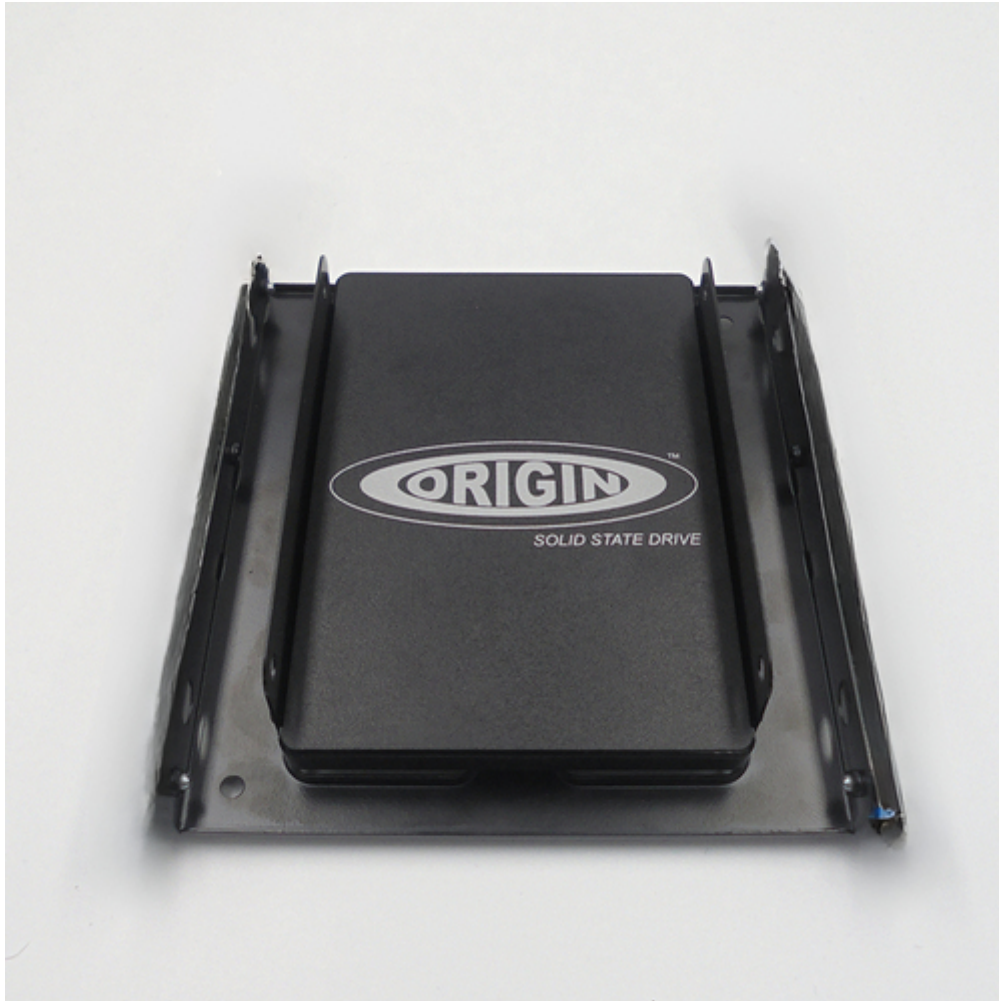




## Product Datasheet

### Origin Storage SSD 1TB 2.5in SATA 3D TLC in 3.5in Converter incl cables



- **Product Code:** DELL-1000TLC-BWC
- **Product EAN:** 5056006103523
- **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>	69.8 mm
<b>Depth:</b>	100.5 mm
<b>Height:</b>	7 mm

## Power

<b>Operating Voltage:</b>	5 V
<b>Power Consumption (read):</b>	2.8 W
<b>Power Consumption (write):</b>	4.26 W
<b>Power Consumption (max):</b>	4.26 W
<b>Power Consumption (average):</b>	3.53 W
<b>Power Consumption (idle):</b>	0.54 W

## Operational Conditions

<b>Operating Temperature (T-T):</b>	0 - 70 °C
<b>Storage Temperature (T-T):</b>	-45 - 105 °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>Non-operating Vibration:</b>	20 G
<b>Operating Shock:</b>	1500 G
<b>Non-operating Shock:</b>	1500 G
<b>Maximum Operating Altitude:</b>	36576 m

## Packaging Data

<b>Storage Drive Adapter Included:</b>	No
<b>Screws Included:</b>	No
<b>Package Type:</b>	Blister

## Other Features

<b>Compliance Certificates:</b>	RoHS
<b>Compatible Products:</b>	Universal

## Features

<b>SSD Capacity:</b>	1 TB
<b>SSD Form Factor:</b>	3.5"
<b>Interface:</b>	Serial ATA
<b>NVMe:</b>	No
<b>Memory Type:</b>	QLC
<b>Component For:</b>	PC/Laptop
<b>Hardware Encryption:</b>	No
<b>NAND Flash Type:</b>	TLC (Triple Level Cell)
<b>Security Algorithms:</b>	256-bit AES
<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>	53760 IOPS
<b>Random Write (4KB):</b>	56320 IOPS
<b>Access Time:</b>	0.1 ms
<b>Seek Time:</b>	0 ms
<b>Controller Type:</b>	Samsung MGX

<b>DevSlp (device Sleep) Support:</b>	Yes
<b>S.M.A.R.T. Support:</b>	Yes
<b>TRIM Support:</b>	Yes
<b>Hot-swap:</b>	No
<b>IEEE 1667:</b>	Yes
<b>Mean Time Between Failures (MTBF):</b>	1000000 h
<b>Active Garbage Collection:</b>	Yes
<b>Windows Operating Systems Supported:</b>	Yes
<b>Opal SSC 2.0:</b>	Yes
<b>Linux Operating Systems Supported:</b>	Yes
<b>TBW Rating:</b>	100

## Logistics Data

<b>Harmonized System (HS) Code:</b>	84717070
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## Origin Storage Limited

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