



Product Datasheet

512GB 3D TLC SSD mSATA



- **Product Code:** NB-5123DTLC-MINI
- **Product EAN:** 5056006154273
- **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

Operational Conditions

Operating Temperature (T-T):	0 - 70 °C
Storage Temperature (T-T):	-40 - 85 °C

Packaging Data

Storage Drive Adapter Included:	No
Package Type:	Blister

Other Features

Compliance Certificates:	RoHS
--------------------------	------

Features

SSD Capacity:	512 GB
SSD Form Factor:	mSATA
Interface:	Serial ATA
NVMe:	No
Memory Type:	3D TLC
Hardware Encryption:	No
Read Speed:	530 MB/s
Write Speed:	410 MB/s
Hot-swap:	No
Windows Operating Systems Supported:	Yes
Linux Operating Systems Supported:	Yes

Logistics Data

Harmonized System (HS) Code:	84717070
------------------------------	----------

Origin Storage Limited

2-4 Rutherford Centre, Rutherford Road, Basingstoke, Hampshire, RG24 8PB UK

Tel: [+44 \(0\)1256 351500](tel:+441256351500) | **E-Mail:** sales@originstorage.com | **Web:** www.originstorage.com

Copyright 2025 - Origin Storage Limited | All trademarks are the property of their respective owners, E&OE.