



# Product Datasheet

2TB M.2 80mm 3DTLC NVME SSD Class 50, Bare Drive



- **Product Code:** NB-2TB3DM.2/NVME50
- **Product EAN:** 5056006166139
- **Warranty:** 3 Year Advanced Warranty

Origin Storage Ltd manufactures a full range of Matched SSD Solutions for most major branded Servers, laptops and desktops, such as Dell, HP, Toshiba, and Lenovo. All of our Matched SSD Solutions come with up to 5 years advanced replacement warranty and also come with free pre and post sales technical support. We can supply replacements or upgrades in form factors of 2.5" or 3.5", M.2 & AIC with either SATA, SAS or PCIe interfaces respectively, available in a range of capacities and drive write endurances for laptop, desktop or Server. All our Matched SSD Solutions are just that, matched to the system you have for 100% compatibility, right first time, every time!

# Technical Specifications

## Operational Conditions

<b>Operating Temperature (T-T):</b>	0 - 70 °C
<b>Storage Temperature (T-T):</b>	-40 - 85 °C

## Packaging Data

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

## Other Features

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

<b>SSD Capacity:</b>	2 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>	Server/workstation
<b>Hardware Encryption:</b>	No
<b>NAND Flash Type:</b>	MLC (Multi Level Cell)
<b>Read Speed:</b>	3230 MB/s
<b>Write Speed:</b>	1625 MB/s
<b>Random Read (4KB):</b>	500000 IOPS
<b>Random Write (4KB):</b>	480000 IOPS
<b>Controller Type:</b>	Samsung Phoenix

PCI Express Interface Data Lanes:	x4
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Hot-swap:	No
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Windows Operating Systems Supported:	Yes
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Linux Operating Systems Supported:	Yes
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## Logistics Data

Harmonized System (HS) Code:	84717070
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## Origin Storage Limited

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