INCEPTION TLC830 SERIES

80MM M.2 NVME

Fast And Reliable Solid State Drives



The Inception TLC830 Series is the latest range of NVMe SSDs from Origin Storage, offering vastly improved speeds and reliability compared to HDDs using moving parts. Speeding up all computing processes everyday computing to heavier workloads, this series of affordable and easy-to-install SSDs is the choice for you.

The TLC830 Series, in standard 2.5-inch, 42mm and 80mm M.2 NVMe form factors, is available in various capacities including 120GB, 240GB, 480GB and 960GB. The Inception TLC830 Pro Series is available in sizes of 128GB, 256GB, 512GB, 1TB and 2TB.

Maximise Performance

The Inception TLC830 Series boosts your computer's performance over 10 times more compared to traditional HDDs*, providing maximum read and write speeds up to 2100 and 1900 MB/s respectively.



Sequential Read Speeds
up to **3500 MB/s**

Sequential Write Speeds
up to **2800 MB/s**

*Comparing the sequential read speeds of the Inception TLC830 1TB and the 2.5-inch 7200rpm HDD.

Built to Last

The Inception TLC830 Series 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.

Our Inception TLC830 Solid State Drives give you up to 800 Total Bytes Written (TBW) or a 3-Year Advanced Replacement Warranty, alongside free, in-house pre and post sales technical support to ensure that your SSD experience stands the test of time.

TLC830/TLC830 Pro

Capacity	120GB/128GB	240GB/256GB	480GB/512GB	960GB/1TB	2TB
TBW	50TB	100TB	200TB	400TB	800TB

Technical Specifications

		TLC 830	TLC 830 Pro
General Feature	Form Factor	M.2 (2280)	
	Application	Client PCs	
	Capacity	120GB, 240GB, 480GB, 960GB	128GB, 256GB, 512GB, 1TB, 2TB
	Interface	PCIe Gen 3.0 x4, NVMe 1.3	
	Dimension (WxHxD)	80 x 22 x 2.2mm	
	Weight	Max. 7g	
	NAND Flash Type	3D Triple Layer Cell (3D TLC)	
Performance	Sequential Read/Write	Max. 3500MB/s / 2800MB/s	
	Random Read/Write (4KB)	Max. 179K IOPS / 102K IOPS	
	Access Time	0.2ms	
	Seek Time	0ms	
Special Features	TRIM	Supported	
	S.M.A.R.T		
Power Consumption	Read	2.84W (960GB / 1TB)	
	Write	3.22W (960GB / 1TB)	
	Idle	0.47W (960GB / 1TB)	
Environment	Allowable Voltage	3.3V ± 5%	
	Reliability (MTBF)	> 1,000,000 Hours Reliability (MTBF)	
	Operating Temperature	0 - 70°C	
	Storage Temperature	-45 - 105°C	
	Operating Humidity	5% - 98% RH	
	Operating Shock	1500G	
	Operating Vibration	16G	
	Operating Altitude	120,000ft	
Warranty (Total Bytes Written)		3-Year Advanced Replacement Warranty	
		120GB: 50TB / 240GB: 100TB 480GB: 200TB 960GB: 400TB	128GB: 50TB / 256GB: 100TB 512GB: 200TB / 1TB: 400TB / 2TB: 800GB

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