



Inception M.2 2280 Series

FAST AND RELIABLE SOLID STATE DRIVES

Introducing the latest addition to the Origin Storage MLC800 portfolio, the Inception M.2 Series of Internal SSD upgrades.

The M.2 2280 solution is manufactured using the latest in SSD technology; on its lightweight PCB frame it combines a 15nm MLC NAND alongside a Phison S9/10 Controller to offer incredible performance that truly leaves traditional HDD's in the dark ages.

With a 10x performance increase in data transfer and a huge reduction in boot time, upgrading to an Inception MLC800 SSD will grant new life to any system.

KEY FEATURES:

> Static and Dynamic Wear Levelling

> TRIM

> Over-provisioning

> Bad Block Management

SPECIFICATIONS:

> Interface	SATAIII (suports II & I)
> Form factor	M.2
> Capacities	64GB, 128GB, 256GB, 512GB, 1TB
> Controller	Phison S10
> NAND	MLC

Data Transfer Sequencial MB/s (CrystalDiskMark)

128GB	up to 545MB/s Read and 207MB/s Write
256GB	up to 545MB/s Read and 403MB/s Write
512GB	up to 545MB/s Read and 523MB/s Write

Maximum Random 4k Read/Write (IOMETER)

128GB	up to 81486.12 IOPS and 50651.65 IOPS
256GB	up to 82826.89 IOPS and 90457.32 IOPS
512GB	up to 80368 IOPS and 90584.65 IOPS

Power Consumption

615W Idle (MAX) / 1,540W (MAX) Read / 2,415W (MAX) Write

> Storage temperature	-45°C~85°C
> Operating temperature	0°C~70°C
> Dimensions	22mm x 100mm x 7mm
> Weight	10g
> Life expectancy	1.5 million hours MTBF
> Warranty/support	3 years

Total Bytes Written

128GB	214TBW
256GB	480TBW
512GB	930TBW

Part Numbers:

OMLC128M.2/80	Inception M.280 Series 128GB
OMLC256M.2/80	Inception M.280 Series 256GB
OMLC512M.2/80	Inception M.280 Series 512GB

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