



Inception TLC800 Series

FAST AND RELIABLE SOLID STATE DRIVES

Introducing the latest addition to the Origin Storage portfolio, the Inception TLC800 Series of Internal SSD upgrades.

The TLC800 is manufactured using the latest in SSD technology; inside its sleek plastic casing it combines a 15nm TLC NAND alongside a Phison S10/S11 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 TLC800 SSD will grant new life to any system.

KEY FEATURES:

- > Static and Dynamic Wear Levelling
- > TRIM
- > Over-provisioning
- > Bad Block Management

Part Numbers:

OTLC120SATA/2.5	Inception TLC800 Series 120GB
OTLC240SATA/2.5	Inception TLC800 Series 240GB
OTLC480SATA/2.5	Inception TLC800 Series 480GB
OTLC960SATA/2.5	Inception TLC800 Series 960GB



SPECIFICATIONS:

- > Interface SATAIII (supports II & I)
- > Form factor 2.5"
- > Capacities - 120GB, 240GB, 480GB, 960GB
- > Controller Phison S10/S11
- > NAND TLC

Data Transfer Sequential MB/s (CrystalDiskMark)

120GB	up to 561MB/s Read and 454MB/s Write
240GB	up to 561MB/s Read and 464MB/s Write
480GB	up to 548MB/s Read and 520MB/s Write
960GB	up to 547MB/s Read and 521MB/s Write

Maximum Random 4k Read/Write (IOMETER)

120GB	up to 86,474 IOPS and 81,070 IOPS
240GB	up to 86,655 IOPS and 80,498 IOPS
480GB	up to 82,823 IOPS and 81,006 IOPS
960GB	up to 89,938 IOPS and 84,617 IOPS

Power Consumption

0.06W Idle (MAX) / 0.32W (MAX) Read / 0.62W (MAX) Write

- > Storage temperature -45°C~85°C
- > Operating temperature 0°C~70°C
- > Dimensions 70mm x 100mm x 7mm
- > Weight 300g
- > Life expectancy 1.5 million hours MTBF
- > Warranty/support - 3 years

TeraBytes Written

120GB	74TBW
240GB	148TBW
480GB	296TBW
960GB	592TBW



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