



PRINCETON 2.5" LYNX² SATA III

Lynx SSD combines enterprise class performance and reliability with low power operation to make the ideal mobile drive. The high read and write performance of the Lynx SSD will satisfy the most demanding gamer and power user while the low power mode extends battery life for the road warrior.

Providing an industry-leading bandwidth of more than 540MB/sec transfers, the Lynx SSD can approach the limits of the SATA 6Gb/s interface on large transfers. Performance reaches enterprise class standards with up to 50,000 IOPS.



A robust ECC algorithm and RAISE™ technology protect the data. Efficient bad block management and reduced write amplification further bolster endurance. Drive health is monitored using an SSD-specific set of S.M.A.R.T. attributes. The combination of these techniques provides data protection unrivaled in the storage industry.

Call and order a Lynx SSD and see for yourself why it is the optimal drive for your computer system.

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ASSEMBLED IN USA

Reduced Power Requirements

- No moving parts
- Super-low operating and standby power needs
- Power requirements notably reduced over a typical HD

Fast Performance

- Virtually zero spin up or seek times
- Zero rotational latency
- High sustained high-speed data transfers

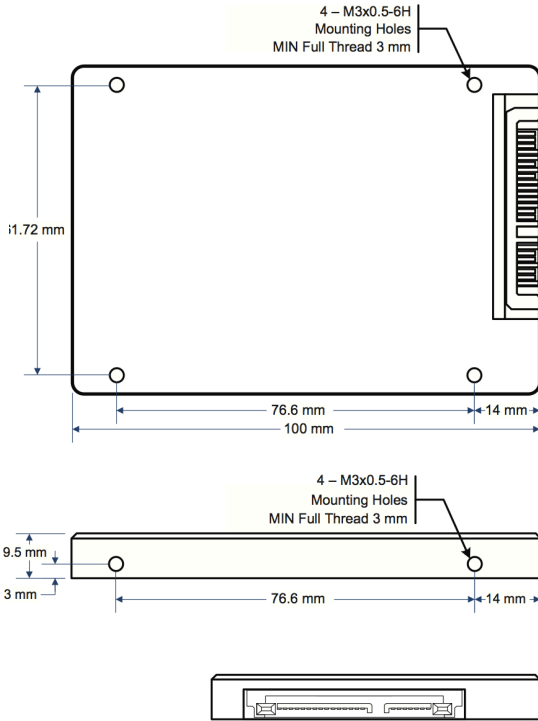
Reliable

- No volatile memory elements
- Improved resistance to shock & vibration
- Predictable and manageable failure modes reduce IT costs

Improved Operation

- Noise and vibration free
- Virtually no heat emissions
- Lighter than conventional storage

MECHANICAL DIMENSIONS



TECHNICAL SPECIFICATIONS

Features

Lifetime Performance - will not degrade over time
TRIM support (O/S support required)
Windows (32-bit & 64-bit), Linux and Mac OSX
Ultra-efficient Block Management and Wear Leveling

Capacity

25GB to 512GB

Host Interface

SATA 6Gb/s, 3.0Gb/s support and 1.5Gb/s support
Native Command Queuing: 32
SMART attribute List: Extended

Performance

Sequential Read up to 540MB/s
Sequential Write up to 450 MB/s
Random Read IOPS @ 4K blocks: up to 50K
Random Write IOPS @ 4K blocks: up to 50K

Flash Memory Support

Supports MLC type Number of Flash Buses: 8

Power Consumption

Typical (mW) <4W Sleep/Slumber: <200mW

Reliability

MTTF (PoH): 2M
Up to 24 9-bit Symbols Correction per 512 9-bit Symbol
Non-recoverable Read Errors: (Less than 1 sector per bits read)
10¹⁶

Environmental

Operating Temperature 0°C to 70°C

Security

256-bit AES compliant Data Encryption
User Selectable Password (if BIOS supported)
Secure Erase (Factory Reset - ATA)

Physical

2.5 inch industry standard form factor
Height - 9.5mm
Weight <80g

Part Number	Capacity	Wear Level Provisioning	Read/Write Sequential	IOPS
MSSD025GBCSU2-D2	25GB	-	550/515	60K
MSSD040GBCSU2-D2	40GB	20%	550/516	60K
MSSD050GBCSU2-D2	50GB	28%	550/517	60K
MSSD055GBCSU2-D2	55GB	16%	550/518	60K
MSSD060GBCSU2-D2	60GB	7%	550/519	60K
MSSD080GBCSU2-D2	80GB	20%	550/520	60K
MSSD090GBCSU2-D2	90GB	7%	550/521	60K
MSSD100GBCSU2-D2	100GB	28%	550/522	60K
MSSD120GBCSU2-D2	120GB	11%	550/523	60K
MSSD160GBCSU2-D2	160GB	20%	550/524	60K
MSSD180GBCSU2-D2	180GB	7%	550/525	60K
MSSD200GBCSU2-D2	200GB	28%	550/526	60K
MSSD240GBCSU2-D2	240GB	7%	550/527	60K
MSSD300GBCSU2-D2	300GB	20%	550/528	60K
MSSD360GBCSU2-D2	360GB	7%	550/529	60K
MSSD400GBCSU2-D2	400GB	28%	550/530	60K
MSSD480GBCSU2-D2	480GB	11%	550/531	60K
MSSD512GBCSU2-D2	512GB	-	-	60K

