



CX1 Series Solid-State Drives | M.2 PCIe

Lite-On SSDs Move at the Speed of You

Stop waiting for application load times. Do more by running your system longer, faster and more efficiently.

FAST CONSISTENT PERFORMANCE

Lite-On's CX1 Series Client Solid-State Drives with the M.2 PCIe interface boosts your device's performance by accelerating application responsiveness, increasing productivity, and improving energy efficiency. This simple upgrade, deliver superior speed at 4KB random read performance of up to 100,000 IOPS and 4KB write performance of up to 100,000 IOPS. With lightning fast response times, a Lite-On SSD will keep pace with your busy lifestyle.

Say good-bye to system boot-up or program wait times. Download large files in seconds rather than minutes. And access your stored movies, games, photos and music with ease and speed. The Lite-On CX1 Series SSDs are built to expedite your life's data efficiently and securely no matter what the file type.

With its small form factor and M.2 interface, the latest in SSD design, the CX1 fits easily into today's ultra-thin notebooks. Operating more efficiently than traditional SATA SSDs, the CX1 consumes less power, which extends your system's battery life.

THE FIRMWARE ADVANTAGE

Our dedicated engineers work closely with high-grade chip manufacturers to develop solutions particular to your needs. Lite-On SSDs are already an industry-leading product, and with Lite-On's customized proprietary firmware, your Lite-On SSD will provide superior performance at consistent speeds for years to come.

FEATURES

- HIGH PERFORMANCE
- BEST IN CLASS QUALITY
- RELIABILITY
- CUSTOMIZED FIRMWARE
- AVAILABLE IN 128/ 256/ 512 GB CAPACITIES

APPLICATION WORKLOADS

- BOOT DRIVE
- CACHE DRIVE
- ULTRA BOOK COMPUTING

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Technical Specifications

Model Name	CX1-JB128	CX1-JB256	CX1-JB512
Capacity	128 GB	256 GB	512 GB

Performance

Sequential Read/Write ¹	830/310 MB/s	840/570 MB/s	830/730 MB/s
4K Random Read/Write ¹	90K/70K IOPS	100K/100K IOPS	100K/100K IOPS

Compatibility

Host Interface	PCIe Gen 2x4		
Form Factor	M.2 2260 60mm x 22mm x 3.65mm		

Reliability

Power On/Off Cycles	50,000		
MTBF ²	1.5 million hours		
Warranty	3 year warranty		

Features

ECC	BCH ECC 80 Random Bits/2KB		
S.M.A.R.T	Support		
TRIM Command	Support		
Password Protection	Support		
TCG-OPAL 2.0	Optional		

Power Consumption

DEVSLP	2 mW (0.002 W)		
Typical (DIPM Enable)	0.25 W		

Environment

Operating Temperature	0 to 70° C		
Non-operating Temperature	-40 to 85° C		
Power-on Ready ³	300 ms		
Resume from DEVSLP	100 ms		

1. Based on internal testing, performance may vary depending on host device, OS, and application.

2. MTBF— Mean Time Between Failures based on parts stress analysis.

3. Assumes that drive had normal shutdown process previously with STANDBY IMMEDIATE command.



For more information, please visit
liteonssd.com



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Lite-On Storage is a Strategic Business Group (SBG) of Lite-On Technology Corporation.

Lite-On Storage is a global leader in the design, development, and manufacturing of Solid State Drives (SSDs) and Optical Disc Drives (ODDs).

Lite-On Storage offers customized solutions and superior firmware to PC Client, Industrial Solutions, Automotive, Enterprise, and Cloud Computing environments. All Lite-On SSDs are designed and developed 100% in-house at their state-of-the-art facilities in Taiwan.

Specifications and data are subject to change without notice.

Lite-On Sales and Distribution, Inc.
 42000 Christy Street
 Fremont, CA 94538
 510.687.1800