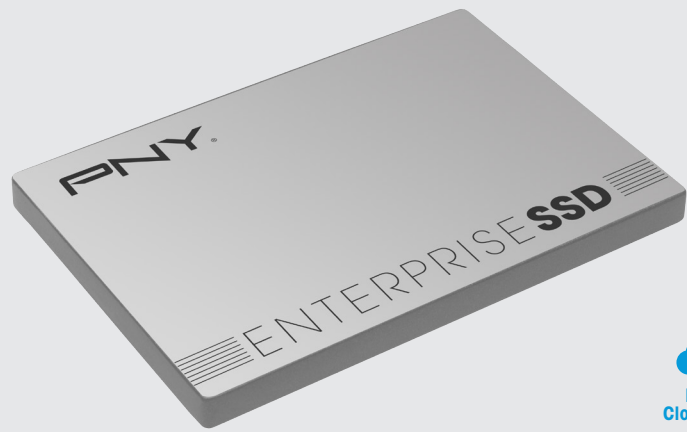


EP7000 Series

Enterprise SSD: EP7011



The PNY EP7011 Enterprise 2.5-inch SATA III (6 Gb/s) SSD is designed for applications requiring consistent quality of service and performance. This SSD has been designed with attention to meeting the highest reliability required in today's enterprise storage applications.

The PNY EP7011 SSD has a bandwidth of up to 500 MB/s transfers and throughput of up to 75,000 random IOPS coupled with enhanced ECC that enables data protection without compromising performance. The AES-256 encryption engine provides enterprise security to ensure high protection for user data. Power failure protection provides ample energy reserves to safely complete in-flight data and power down the drive in a planned power loss (hot plug) and unplanned power loss situation during an emergency. The SSD has data path ECC protection, hardware compression and intelligent data optimization to improve endurance significantly in compressible workload environments increasing drive longevity and intelligent "recycling" for advanced free space management. All these with MLC-based flash can ensure your SSD operates in an enterprise environment and provides a good return of your investment.

PERFORMANCE & SECURITY

- High speed data transfers of up to 500 MB/s
- Random Read/Write up to 75,000 IOPS for heavy use random IO intensive applications
- AES encryption support, user-defined passwords and Secure Erase features to keep your data protected
- Power failure protection to complete managing in-flight data and provide a safe shutdown to protect the data

RELIABILITY

- Features eMLC NAND for high quality performance and endurance
- Drive health is monitored using an SSD specific set of S.M.A.R.T attributes
- DuraWrite technology to extend the endurance of the SSD

APPLICATIONS

- Enterprise storage applications, server virtualization, RAID configurations, and most commonly used data center environments

Available Options



EP7011
Enterprise SSD

SPECIFICATIONS

Enterprise SSD: EP7011

PNY Part Number	80 GB: SSD7EP7011080-* 240 GB: SSD7EP7011240-* 480 GB: SSD7EP7011480-*
UPC Code	
Box Dimensions	5.25" x 4.65" x 1.25"
Usable Capacities (IDEMA)	80GB, 240GB, 480GB
NAND Components	Multi-Level Cell (MLC) NAND Flash Memory
Interface	SATA-III (6 Gb/s); Backwards compatible with SATA-II
Form Factor	2.5" inches
Dimensions (L x W x H)	100 x 70 x 7 mm
Weight	95g

PERFORMANCE

Sequential Max Read	Up to 500 MB/s
Sequential Max Write	Up to 450 MB/s
Random Read Operations (4KB)	Up to 75,000 IOPS Read
Random Write Operations (4KB)	Up to 45,000 IOPS Write

POWER

Power Consumption	5W Typical, 0.85 W Idle; Power loss support (PL)
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ENVIRONMENTAL

Power Consumption	5W Typical, 0.85 W Idle
Operating Temperature	0°C ~ 70°C
Storage Temperature	-55°C ~ 70°C
Certifications	RoHS, CE, FCC, REACH, BSMI, UL

RELIABILITY / SECURITY

Mean Time Before Failures (MTBF)	2 million hours
End-To-End Data Protection	ECC: Up to 55 bits correctable per 512-byte sector Read
Data Encryption	AES-256 compliant
Data Fail Recovery	Recovers data from up to one NAND flash block (240GB and up)
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T)

COMPATIBILITY

Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.1. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Power Requirements	Standard SATA Power Connector

ADDITIONAL FEATURES

Performance Optimization	TRIM (requires OS support)
Service & Support	5-Year Limited Warranty Toll free technical support lines

* RB (Retail Box), BLK (Bulk)



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