# PNY®
## Solid State Drives



OPTIMA **480GB**

Introducing our NEW
# OPTIMA™ SSD

Our next generation solid state drive (SSD) is designed to meet the increasingly demanding needs of the mobile computing market. These SSD's are designed to offer long lasting, high performance storage designed for gaming, photo/video applications and faster system performance.

PNY Optima™ SSDs are an entry-level drive that doesn't compromise performance. These drives feature a 2.5" SATA III, 6Gbps interface, support encryption and are capable of launching multiple operating systems and programs in seconds while preserving data longer. Optima™ greatly reduces power consumption and is offered in a thin 7mm form factor (bonus: include a spacer to convert to 9.5mm) with capacities from 120-480GB.

## Why choose the Optima™ SSD?

### HIGH PERFORMANCE

Enables significantly faster boot, file, and application load times compared to traditional hard drives. With typical random IOPS up to 60,000 read and 45,000 write* this drive delivers performance gains at a very reasonable price.

### LOW POWER CONSUMPTION

Consumes significantly less power than a traditional hard drive, which translates to longer battery life for mobile applications.

### VALUE

The PNY Optima™ SSD line utilizes multiple qualified controllers to offer the best available solution to our customers. This flexibility allows us to stay very competitive in the entry-level SSD market, offering customers quality solutions and service at a price point they can utilize to their advantage.

### WARRANTY

Three year limited warranty.**

| Specifications | |
|---|---|
| **Physical** | |
| Usable Capacities ( IDEMA ) | 120GB, 240GB, 480GB |
| NAND Components | Synchronous-Mode MLC, SLC or TLC |
| Interface | Serial ATA 6Gb/s ( SATA III ) |
| Form Factor | 2.5 inch |
| Dimensions ( L × W × H ) | 100 × 70 × 7 mm |
| Weight | 80g |
| **Performance** | |
| Random Read/Write Operations ( 4kB ) | up to 60,000 IOPS |
| **Environmental** | |
| Power Consumption | 5W Typical, 0.1W Idle |
| Ambient Temperature | 0°C ~ 55°C |
| Operating Temperature | 0°C ~ 70°C |
| Storage Temperature | -45°C ~ 85°C |
| Certifications | RoHS, CE, FCC, REACH, BEMI, UL |
| **Reliability / Security** | |
| MTBF | 1.2 million hours |
| **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 ) |
| Operating System | Windows 8 / Windows XP 32-bit / 64-bit; Windows Vista 32-bit / 64-bit; Windows 7 32-bit / 64-bit; Linux; Mac OS X |
| Power Requirements | Standard SATA Power Connector |
| **Additional Features** | |
| Performance Optimization | TRIM ( requires OS support ) |
| Service & Support | 3-Year Limited Warranty Toll free technical support lines |

* Random read and write results based on PNY internal testing using an IOmeter.
** One year limited warranty. 3-Year Limited warranty upon registration at www.pny.com

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## Make Life Simple™

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