CL4100 Series

Client SSD: 120GB - 240GB - 480GB CL4111

Ideal for OEM Upgrade

The PNY CL4111 2.5-inch SATA-III (6 Gb/s) solid state drive (SSD) is a fast and reliable OEM grade option from the CL4100 Client Series of SSD products. Optimized for reliability, power-efficiency, and durability, the CL4111 is targeted to meet stringent OEM quality requirements. The PNY CL4111 SSD provides higher data input/output (I/O) operations and throughput speeds while using a fraction of the power. In addition, the CL4100 Client Series SSD features low power idle modes to further optimize power efficiency for mobile devices; resulting in a noticeable increase in battery life without sacrificing system responsiveness.

The PNY CL4111 offers capacities including 240GB and 480GB using industry standard MLC NAND flash memories paired with the SandForce® family of controllers, as well as a *960GB* capacity powered by an SMI controller**. The SandForce® DuraWrite® hardware based data reduction optimizes writes to the flash memory and implements highly intelligent block management with wear leveling schemes to increase overall drive endurance and reliability.

PNY works closely with vendors to optimize and qualify every aspect of the drives: including careful board design, firmware feature validation, reliability, and extensive drive validation. The CL4111 also features enhanced ECC and AES 256-bit encryption with drive password for reliable data protection and security without compromise in performance. The CL4111 SSD is your best choice for easy deployment and secure manageability in client IT environments, helping lower total cost of ownership (TCO) over the lifetime of the drive.

SUPERIOR PERFORMANCE & ENHANCED SECURITY

- High sequential read speed of up to 540 MB/s
- Hardware based AES 256-bit encryption, Secure Erase features
- Best in class end-to-end data path protection with enhanced ECC

IMPROVED RELIABILITY WITH LOWER TOTAL COST OF OWNERSHIP (TCO)

- MTBF: 1,500,000 Hours with 5 years warranty
- Support for S.M.A.R.T drive health monitoring
- Extensive qualification reduces downtime and lowers TCO in client IT environments

APPLICATIONS

- Supports multiple OS and business applications; fast application launch
- Corporate business PC and thin client

Available Options

CL4111
Client SSD

SPECIFICATIONS

Client SSD: CL4111

Usable Capacities (IDEMA)	**120 GB, 240 GB, 480 GB, *960 GB*** **
PNY Part Number	**120GB: SSD7CL4111-120-*** **240GB: SSD7CL4111-240-*** **480GB: SSD7CL4111-480-*** ***960GB: SSD7CL4111-960-*** **
Box Dimensions	**5.25˝ × 4.65˝ × 1.25˝**
NAND Components	**Multi-Level Cell (MLC) NAND Flash Memory**
Interface	**SATA-III (6 Gb/s);** **Backwards compatible with SATA-II**
Form Factor	**2.5-inch**
Dimensions (L × W × H)	**100 × 70 × 7 mm**
Weight	**80g**

PERFORMANCE	120 GB	240 GB	480 GB
Max Sequential Read	**545 MB/s**	**545 MB/s**	**555 MB/s**
Max Sequential Write	**525 MB/s**	**525 MB/s**	**530 MB/s**
Max Random Read	**27,000 IOPS**	**27,000 IOPS**	**36,000 IOPS**
Max Random Write	**90,000 IOPS**	**90,000 IOPS**	**52,000 IOPS**

POWER

Power Consumption	**1.38W Active, 0.23W Idle;** **Power management features**

ENVIRONMENTAL

Operating Temperature	**0°C ~ 70°C**
Storage Temperature	**-45°C ~ 85°C**
Certifications	**RoHS, CE, FCC, REACH, BSMI, UL**

RELIABILITY / SECURITY

Mean Time Between Failures (MTBF)	**1,500,000 Hours**
Error Correction Code (ECC)	**Up to 55bits per 512B sector**
Data Path	**End-to-End Data Path Protection**
Data Encryption	**AES-256 compliant**
Secure Erase	**Standard, Enhanced Secure Erase**
Product Health Monitoring	**Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T)**

COMPATABILITY

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)
**Further details can be found on the CL4111 960GB Product Brief.

DESIGNED, DEVELOPED & ASSEMBLED IN THE USA

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