

Integral V Series 2.5" SATA III 6Gbps SSD

Version 2



120 GB

240 GB

INTRODUCTION

The Integral V Series SSD offers great performance, reliability and value. It is ideal for use in desktops and laptops where you are looking to boost the speed of an older computer by replacing the hard drive with a Solid State Drive. The V Series will deliver faster data read/write speeds along with low power operation – extending the battery life of your laptop.

PRODUCT OVERVIEW

Choose the V Series SSD to boost the performance of your existing hardware and extend its useful life. It will speed up your daily OS boot times and increase the speed of your applications, overall giving you the best experience of Solid State performance computing.

BENEFITS

- Enhanced performance: faster boot than HDD, faster access to applications, enhanced productivity and increased efficiency
- Read up to 500MB/s*, Write up to 400MB/s*
- No mechanical parts
- Highest reliability; less likely to fail than HDD
- Extreme shock resistance
- Zero noise
- No heat generation
- Low power consumption - improved battery life on laptops/netbooks

FEATURES

- 2.5 inch form factor with SATA III 6Gbps interface (backwards compatible with SATA 3Gbps and SATA 1.5Gbps)
- Performance: Faster boot than HDD, Faster access to applications, enhanced productivity and increased efficiency
- Fully compatible with devices and OS that support the SATA standard
- Non-volatile Flash Memory for outstanding data retention
- Shock resistance – no moving parts enable the product to be used in tougher conditions
- Silent operation - Noiseless
- Ultra-efficient Block Management and Wear Levelling
- Supports S.M.A.R.T. - Self-Monitoring, Analysis and Reporting Technology
- CE, FCC and RoHS compliant
- 3 Year Warranty

*240GB model performance, version 2.

| CAPACITIES & INTERFACE | |
|---------------------------------------|---|
| Capacities available | 120GB, 240GB |
| Form Factor | 2.5 Inch |
| NAND | TLC |
| Controller Technology | Marvell 1120 |
| Interface | SATA III 6Gbps Also Compatible with SATA II 3Gbps Also compatible with SATA III 1.5Gbps |
| Sequential Speed (up to) ¹ | 120GB = READ 460MB/s, WRITE 300MB/s 240GB = READ 500MB/s, WRITE 400MB/s |
| DIMENSIONS | |
| Length mm | 100.18 |
| Width mm | 69.85 |
| Height mm | 7.0 |
| Weight | 40g |
| Packaged Weight | 58g |
| Packaged Dimensions (mm) | L = 133, W = 107, D = 13 |

| POWER CONSUMPTION | |
|-------------------------------------|--|
| Power Management | 5V |
| Power Consumption (mW) ² | 120GB - Read 1010, Write 1055, Idle 360 240GB - Read 1227, Write 1584, Idle 400 |

| ENVIRONMENTAL | |
|-----------------------|---------------------------------------|
| Operating Temp | 0° - +70°C |
| Storage Temp | -40° - +85°C |
| Humidity ³ | 5% to 95%, non-condensing |
| Vibration | 7~800Hz, 3.08Grms, 30min/axis(X,Y,Z) |
| Shock | 1500g, DURATION 0.5MS, Half Sine Wave |

| FEATURES | |
|-------------------------|-----------------------------|
| Supports SMART Software | Yes |
| Supports TRIM | Yes (OS support required) |
| TBW ⁴ | 120GB = >60 240GB = >120 |
| MTBF | 1.5 Million Hours |
| Compliance | CE, FCC, RoHS |

| WARRANTY | |
|----------|--|
| 3 years | |

E-tail packaging order codes

| CAPACITY | PART CODE | BARCODE (EAN) |
|----------|-----------------|---------------|
| 120GB | INSSD120GS625V2 | 5055288435926 |
| 240GB | INSSD240GS625V2 | 5055288435933 |

Retail packaging order codes

| CAPACITY | PART CODE | BARCODE (EAN) |
|----------|------------------|---------------|
| 120GB | INSSD120GS625V2R | 5055288436466 |
| 240GB | INSSD240GS625V2R | 5055288436473 |

1. Performance based on "out of the box" internal testing measured under ambient temperature. Sequential RW is measured using ATTO.
 2. Power Consumption may differ according to flash configuration and platform.
 3. Humidity test was for 4 hours
 4. TBW is a measurement of SSDs expected lifespan, which represents the amount of data written to the device. This is only an estimate and can differ based in user usage behavior and platform. (TBW) is derived from the JEDEC Client Workload (JESD219A).
- E&OE. Product design and specification subject to change or modification without notice.

7mm to 9mm Adapter supplied with packaged product



