Integral V Series 2.5" SATA III 6Gbps SSD

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 540MB/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

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CAPACITIES & INTERFACE

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 540MB/s, WRITE 370MB/s 240GB = READ 540MB/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 1230, Write 1450, Idle 360 240GB – Read 1477, Write 1527, Idle 370

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 = >70 240GB = >140
MTBF	1.5 Million Hours
Compliancy	CE, FCC, RoHS

WARRANTY
3 years

E-tail packaging order codes

CAPACITY	PART CODE	BARCODE (EAN)
120GB	INSSD120GS625V	5055288435070
240GB	INSSD240GS625V	5055288435087

Retail packaging order codes

CAPACITY	PART CODE	BARCODE (EAN)
120GB	INSSD120GS625VR	5055288435704
240GB	INSSD240GS265VR	5055288435711

1. Performance based on "out of the box" internal testing measured under ambient temperature. Sequential R/W 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

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