

Integral V Series 2.5" SATA III 6Gbps SSD

Version 2



120 GB

240 GB

250 GB

480 GB

500 GB

960 GB

1 TB (1000GB)

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 520MB/s*, Write up to 470MB/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, RoHS and UKCA compliant
- 3 Year Warranty or TBW - whichever is earlier applies

*480GB model performance, version 2.

CAPACITIES & INTERFACE	
Capacities available	120GB, 240GB, 250GB, 480GB, 500GB 960GB, 1TB (1000GB)
Form Factor	2.5 Inch
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 450MB/s, WRITE 400MB/s 250GB = READ 450MB/s, WRITE 400MB/s 480GB = READ 520MB/s, WRITE 470MB/s 500GB = READ 520MB/s, WRITE 470MB/s 960GB = READ 530MB/s, WRITE 500MB/s 1TB (1000GB) = READ 520MB/s, WRITE 470MB/s
DIMENSIONS	
Length mm	100.18
Width mm	69.85
Height mm	7.0
Weight (Max)	45g
E-tail Packaged Weight	64g
E-tail Packaged Dimensions (mm)	L = 133, W = 117, D = 13
Retail Packaged Weight	86g
Retail Packaged Dimensions (mm)	L = 136, W = 111, D = 15

POWER CONSUMPTION	
Power Management	5V
Power Consumption (mW) ²	120GB - Read 1010, Write 1055, Idle 360 240GB - Read 1227, Write 1584, Idle 400 250GB - Read 1227, Write 1584, Idle 400 480GB - Read 1650, Write 1800, Idle 475 500GB - Read 1650, Write 1800, Idle 475 960GB - Read 1650, Write 1800, Idle 475 1TB (1000GB) - Read 1650, Write 1800, Idle 475
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 = >40 240GB = >80 250GB = >80 480GB = >160 500GB = >160 960GB = >480 1TB (1000GB) = >320
MTBF	1.5 Million Hours
Compliance	CE, FCC, RoHS, UKCA
WARRANTY	
3 years or TBW - whichever is earlier applies	

E-tail packaging order codes

CAPACITY	PART CODE	BARCODE (EAN)
120GB	INSSD120GS625V2	5055288435926
240GB	INSSD240GS625V2	5055288435933
250GB	INSSD250GS625V2	5055288447226
480GB	INSSD480GS625V2	5055288441415
500GB	INSSD500GS625V2	5055288447233
960GB	INSSD960GS625V2	5055288447417
1TB (1000GB)	INSSD1TS625V2X	5055288447240
240GB (5-Pack)	INSSD240GS625V2-5PCK	5055288447318

Retail packaging order codes

CAPACITY	PART CODE	BARCODE (EAN)
120GB	INSSD120GS625V2R	5055288436466
240GB	INSSD240GS625V2R	5055288436473
480GB	INSSD480GS625V2R	5055288441835

- Performance based on "out of the box" internal testing measured under ambient temperature. Sequential RW is measured using ATTO.
 - Power Consumption may differ according to flash configuration and platform.
 - Humidity test was for 4 hours
 - 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.

3 year warranty or TBW - whichever is earlier applies.
For warranty information please visit www.integralmemory.com/warranty

