



# OCZ Vertex Plus SSD Series – Optimized Edition

The Higher Performance Follow-up to the Original Vertex Series

## New and Improved...

OCZ Vertex Plus Solid State Drives are the faster, cooler, quieter, and more durable alternative to conventional hard disc drives. In combination with the latest flash memory, the Vertex Plus features the revolutionary new Indilinx Arowana FTL with HyperQueueing, which significantly increases sequential write speeds and random IOPS over the previous generation FTL. With excellent reliability and lower power consuming NAND flash, these SSDs use less energy while giving you real-world results in your everyday computing and battery life. Complete with TRIM support, Vertex Plus is the ultimate notebook or desktop upgrade.

## APPLICATIONS

- Desktop PCs
- Notebooks

Performance	60GB	120GB	240GB
Max Read <sup>1</sup>	up to 185 MB/s	up to 250 MB/s	up to 255 MB/s
Max Write <sup>1</sup>	up to 90 MB/s	up to 160 MB/s	up to 255 MB/s
4KB Random Write <sup>2</sup>	2,500 IOPS (10 MB/s)	4,800 IOPS (19 MB/s)	10,000 IOPS (19 MB/s)
Sequential Read AS-SSD <sup>3</sup>	175 MB/s	190 MB/s	245 MB/s
Sequential Write AS-SSD <sup>3</sup>	80 MB/s	150 MB/s	250 MB/s
4K File Size Read AS-SSD <sup>3</sup>	11,000 IOPS (45 MB/s)	11,000 IOPS (45 MB/s)	12,000 IOPS (45 MB/s)
4K File Size Write AS-SSD <sup>3</sup>	2,300 IOPS (9 MB/s)	3,500 IOPS (15 MB/s)	7,000 IOPS (15 MB/s)

## SPECIFICATIONS

<b>NAND Components</b>	2Xnm Multi-Level Cell (MLC)
<b>Interface</b>	SATA II / 3Gbps
<b>Form Factor</b>	2.5 Inch
<b>Cache</b>	64MB
<b>Controller</b>	Indilinx Barefoot w/ Arowana Flash Translation Layer
<b>Dimensions (L x W x H)</b>	100 x 70 x 9.19mm
<b>Seek Time</b>	0.1 ms
<b>Weight</b>	88g
<b>Power Consumption</b>	Idle: 0.3 W Active: 1.5 W
<b>Operating Temperature</b>	0 °C ~ 70 °C
<b>Ambient Temperature</b>	0 °C ~ 55 °C
<b>Storage Temperature</b>	-45 °C ~ 85 °C
<b>Shock Resistance</b>	1500G
<b>Certifications</b>	RoHS, CE, FCC
<b>MTBF</b>	1.5 million hours
<b>ECC Recovery</b>	BCH with 8, 12, or 16 bits correctable
<b>Serial ATA (SATA)</b>	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6. Fully compliant with ATA/ATAPI-7 Standard Native Command Queuing (NCQ)
<b>Operating System</b>	Windows XP 32-Bit and 64-Bit; Windows Vista 32-Bit & 64 Bit; Windows 7 32-Bit and 64-Bit; Linux, Mac OS X
<b>Power Requirements</b>	Standard SATA Power Connector
<b>Performance Optimization</b>	Idle Time Garbage Collection + TRIM (requires OS support); Ndurance Technology to extend SSD lifespan
<b>Service &amp; Support</b>	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support



<sup>1</sup> Maximum Sequential Speeds are determined using ATTO 8K

<sup>2</sup> Small file I/O performance is measured using Iometer 2008, Queue Depth 1, 4KB

<sup>3</sup> Incompressible data performance is measured using AS-SSD; 64 thread for 4K specs

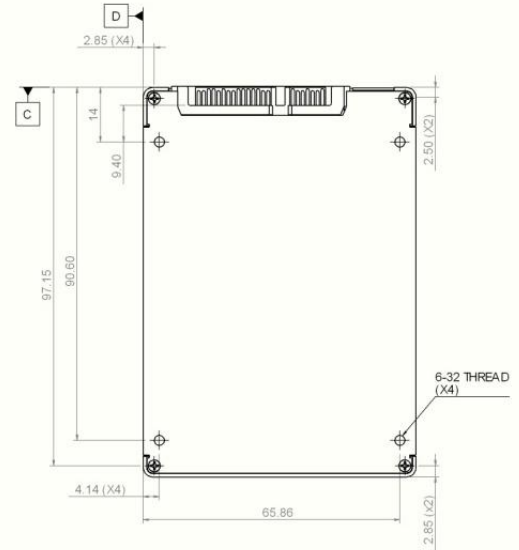
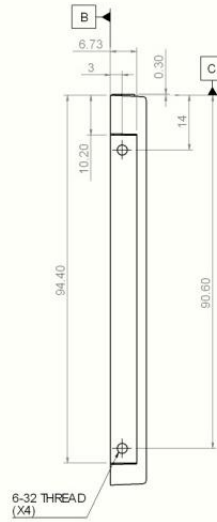
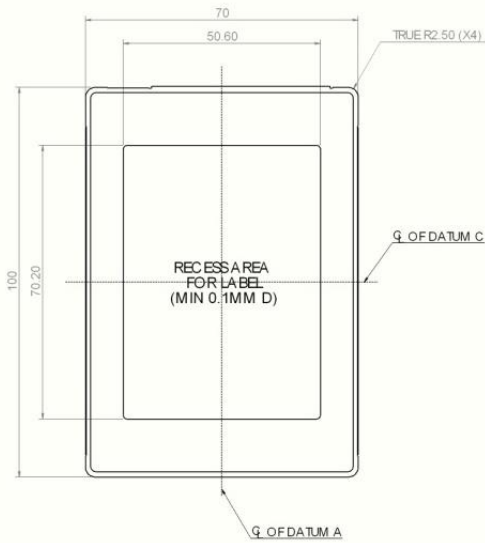
Note: performance results may vary based on system configuration

# OCZ Vertex Plus SSD Series – Optimized Edition

The Higher Performance Follow-up to the Original Vertex Series

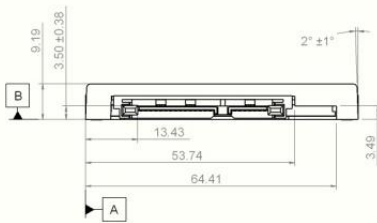


## MECHANICAL SPECIFICATIONS



### NOTE:

1. THIS DRAWING MUST BE USED TO IDENTIFY CRITICAL DIMENSIONS, TOLERANCES AND REFERENCE.
2. INTERPRET DIMENSION AND TOLERANCE PER ANSI 14.5M-1994
3. UNLESS OTHERWISE SEPCIFIED: DIMENSIONS ARE IN MILLIMETERS



## PACKAGING SPECIFICATIONS

**Dimensions (L x W x H)** 152.4 x 127x14.5mm

**Weight** 220g



## ORDERING INFORMATION

PRODUCT	RAW CAPACITY	IDEMA CAPACITY	PART NUMBER	UPC
Vertex Plus 2.5" 60GB	64GB	60GB	OCZSSD2-1VTXPL60G	842024027560
Vertex Plus 2.5" 120GB	128GB	120GB	OCZSSD2-1VTXPL120G	842024027577
Vertex Plus 2.5" 240GB	256GB	240GB	OCZSSD2-1VTXPL240G	842024027584