



OCZ Agility 3 SSD Series – 3rd Generation

The speed of the SATA III interface for value-seekers

Engineered for Cost-Effective Performance

OCZ Agility 3 SATA III Solid State Drives are designed and built to provide an exceptional balance of performance and value. The Agility 3 Series implements the cutting-edge SATA 6Gbps interface to deliver excellent sequential and random data transfer rates, significantly improving your computing experience over hard drives.

Save More. Do More.

In addition to enhanced performance, an Agility 3 upgrade promotes cooler, quieter, and more energy efficient conditions compared to traditional mechanical hard drives. With no moving parts, SSDs provide peace of mind with their superior durability and reliability. Unique and innovative, Agility 3 SSDs deliver a one-of-a-kind storage solution.

APPLICATIONS

- Desktop PCs
- Notebooks



Performance	60GB	90GB
Max Read SATA 6Gbps ¹	up to 525 MB/s	up to 525 MB/s
Max Write SATA 6Gbps ¹	up to 475 MB/s	up to 500 MB/s
Max Read SATA 3Gbps ¹	up to 280 MB/s	up to 280 MB/s
Max Write SATA 3Gbps ¹	up to 260 MB/s	up to 260 MB/s
4KB Random Read ²	10,000 IOPS (40 MB/s)	20,000 IOPS (75 MB/s)
4KB Random Write ²	50,000 IOPS (195 MB/s)	50,000 IOPS (195 MB/s)
Max 4KB Random Write ³	80,000 IOPS (310 MB/s)	85,000 IOPS (330 MB/s)
Sequential Read ⁴ AS-SSD	180 MB/s	180 MB/s
Sequential Write ⁴ AS-SSD	65 MB/s	105 MB/s
4K Random Read ⁴ AS-SSD	12,500 IOPS (50 MB/s)	21,000 (84 MB/s)
4K Random Write ⁴ AS-SSD	17,500 IOPS (70 MB/s)	25,500 (100 MB/s)

Performance	120GB	180GB	240GB	360GB	480GB
Max Read SATA 6Gbps ¹	up to 525 MB/s	up to 525 MB/s	up to 525 MB/s	up to 525 MB/s	up to 525 MB/s
Max Write SATA 6Gbps ¹	up to 500 MB/s	up to 500 MB/s	up to 500 MB/s	up to 495 MB/s	up to 410 MB/s
Max Read SATA 3Gbps ¹	up to 280 MB/s	up to 280 MB/s	up to 280 MB/s	up to 280 MB/s	up to 280 MB/s
Max Write SATA 3Gbps ¹	up to 260 MB/s	up to 260 MB/s	up to 260 MB/s	up to 260 MB/s	up to 260 MB/s
4KB Random Read ²	20,000 IOPS (75 MB/s)	35,000 IOPS (135 MB/s)	35,000 IOPS (135 MB/s)	35,000 IOPS (135 MB/s)	35,000 IOPS (135 MB/s)
4KB Random Write ²	50,000 IOPS (195 MB/s)	50,000 IOPS (195 MB/s)	45,000 IOPS (175 MB/s)	25,000 IOPS (98 MB/s)	22,000 IOPS (95 MB/s)
Max 4KB Random Write ³	85,000 IOPS (330 MB/s)	85,000 IOPS (330 MB/s)	85,000 IOPS (330 MB/s)	85,000 IOPS (330 MB/s)	30,000 IOPS (115 MB/s)
Sequential Read ⁴ AS-SSD	195 MB/s	190 MB/s	190 MB/s	190 MB/s	230 MB/s
Sequential Write ⁴ AS-SSD	130 MB/s	180 MB/s	210 MB/s	140 MB/s	170 MB/s
4K Random Read ⁴ AS-SSD	23,000 (90 MB/s)	38,000 (150 MB/s)	38,000 (150 MB/s)	30,000 (120 MB/s)	34,500 (135 MB/s)
4K Random Write ⁴ AS-SSD	35,500 (140 MB/s)	43,000 (170 MB/s)	50,000 (200 MB/s)	18,000 (70 MB/s)	19,000 (75 MB/s)

System Configuration: Intel® Core™ i5 2500K processor, ASUS P8P67 Deluxe Board, Microsoft Windows 7 Ultimate 64-Bit

¹ Maximum Sequential Speeds are determined using ATTO

² Small file I/O performance is measured using Iometer2008, Queue Depth 32, 4KB Aligned; Logical Block Address (LBA) range: 85% of total drive capacity

³ Small file I/O performance is measured using Iometer2008, Queue Depth 32, 4KB Aligned; Logical Block Address (LBA) range: 8GB

⁴ Incompressible data performance is measured using AS-SSD; 64 thread for 4K specs

Note: Full performance achieved with a native SATA 6Gbps controller



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SPECIFICATIONS

Physical

Capacities (IDEMA)	60GB, 90GB, 120GB, 180GB, 240GB, 360GB, 480GB,
NAND Components	2Xnm Multi-Level Cell Asynchronous (MLC)
Interface	SATA III / 6Gbps (backwards compatible with SATA II / 3Gbps)
Form Factor	2.5 Inch
NAND Controller	SandForce® 2281
Dimensions (L x W x H)	98 x 69.63 x 9.3 mm
Weight	79g

Reliability/Protection/Security

MTBF	2 million hours
ECC Recovery	Up to 55 bits correctable per 512-byte sector (BCH) *varies depending on exact configuration
Data Encryption	256-bit AES-compliant, ATA Security Mode Features
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support
Data Path Protection	BCH ECC corrects up to 78 random bits/1KB

Environmental

Power Consumption	Idle: 1.5 W Active: 2.7 W
Operating Temperature	0°C ~ 70°C
Ambient Temperature	0°C ~ 55°C
Storage Temperature	-45°C ~ 85°C
Shock Resistance	1500G
Certifications	RoHS, CE, FCC

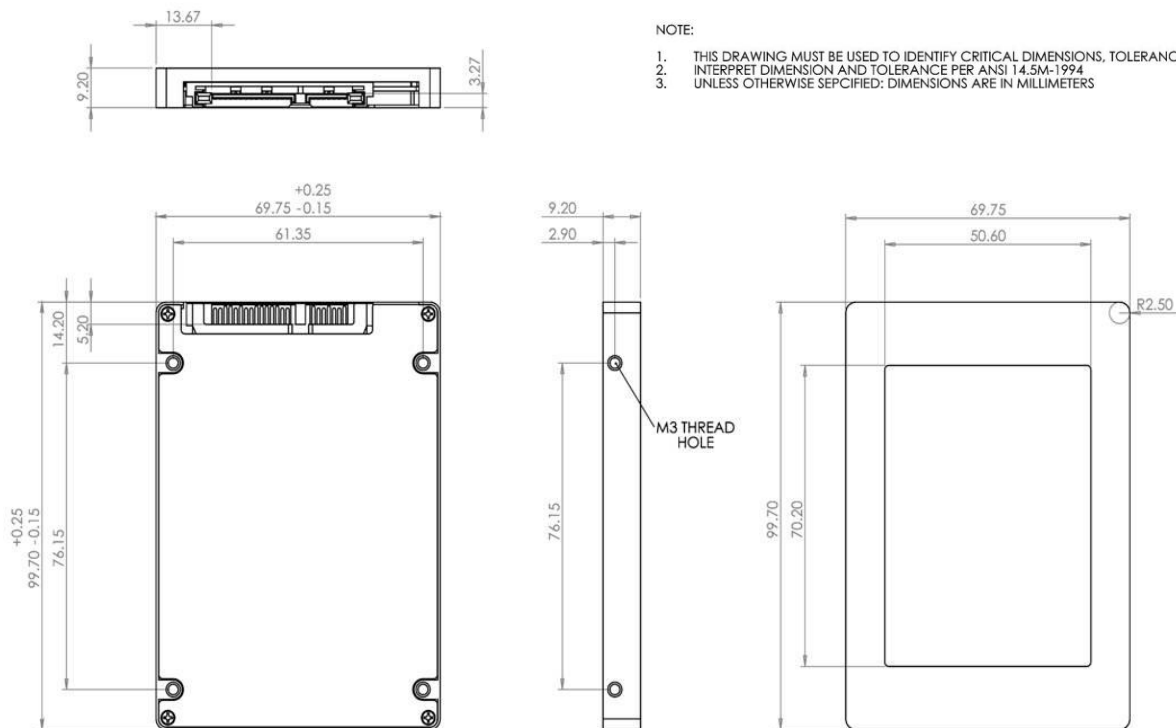
Compatibility

Serial ATA (SATA)	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.0. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Operating System	Windows XP 32-Bit and 64-Bit; Windows Vista 32-Bit and 64-Bit; Windows 7 32-Bit and 64-Bit; Mac OS X; Linux
Power Requirements	Standard SATA Power Connector

Additional Features

Performance Optimization	TRIM (requires OS support)
Service & Support	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support

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 SPECIFIED: DIMENSIONS ARE IN MILLIMETERS

PACKAGING SPECIFICATIONS

Dimensions (L x W x H) 190.5mm x 114.3mm x 19.05mm

Weight 120g



ORDERING INFORMATION

PRODUCT	RAW CAPACITY	IDEMA CAPACITY	PART NUMBER	UPC
Agility 3 2.5" SSD	64GB	60GB	AGT3-25SAT3-60G	842024026792
Agility 3 2.5" SSD	96GB	90GB	AGT3-25SAT3-90G	842024029052
Agility 3 2.5" SSD	128GB	120GB	AGT3-25SAT3-120G	842024026723
Agility 3 2.5" SSD	192GB	180GB	AGT3-25SAT3-180G	842024029069
Agility 3 2.5" SSD	256GB	240GB	AGT3-25SAT3-240G	842024026730
Agility 3 2.5" SSD	384GB	360GB	AGT3-25SAT3-360G	842024030157
Agility 3 2.5" SSD	512GB	480GB	AGT3-25SAT3-480G	842024026747