ARC 100 Series

SATA 3.0 2.5" SSD

Product Highlights

- Cutting-edge A19nm process geometry NAND offers excellent value for consumer desktops and laptops

- Emphasis on endurance, rated for 20GB/day of host writes for 3 years (typical client workloads)

- Proprietary Barefoot 3 M10 controller technology delivers superior sustained speeds over the long term

- Excels in both incompressible and compressible data types such as multimedia, encrypted data,. ZIP files and software

- Advanced suite of NAND flash management to analyze and dynamically adapt as flash cells wear

- Superior reliability with in-house technology and high quality components based on the latest technology

- Sleek alloy housing offers ultra-slim sub-7mm z-height for use in the latest thinner form factor notebooks

Solid Performance for Notebooks and PCs

Think an SSD upgrade is out of your reach? Think again. With OCZ's ARC 100 Series, get lasting SSD performance and an exceptional computing experience, all while delivering an excellent value for flash storage thrill seekers.

Putting Hard Drives to Shame

Imagine faster boot-ups, snappier file transfers, improved energy efficiency, and system responsiveness that make you wonder why you put up with that hard drive for so long. If you're ready to make the leap to a more durable alternative to spinning discs, the ARC 100 Series is ready to take on your storage challenges at an upgrade-friendly price point.

Performance

	120GB	240GB	480GB
Sequential Read Speed[1]	475 MB/s	480 MB/s	490 MB/s
Sequential Write Speed[1]	395 MB/s	430 MB/s	450 MB/s
Random Read (4K QD32)[2]	75,000 IOPS	75,000 IOPS	75,000 IOPS
Random Write (4K QD32)[2]	80,000 IOPS	80,000 IOPS	80,000 IOPS
Steady State Random Write (4K QD32)	12,000 IOPS	18,000 IOPS	20,000 IOPS

1. Maximum sequential speeds are measured with ATTO
2. 4KB random performance is measured with IOMeter 2010, incompressible, QD32
3. Steady State performance measured with IOMeter 2010 after a 12hr precondition according to SNIA guidelines

Physical

Usable Capacities	120GB - 480GB
NAND Components	Toshiba A19nm Multi-Level Cell (MLC)
Interface	Serial ATA (SATA) 6Gb/s (SATA III)
Controller	OCZ Barefoot 3 M10
Form Factor	2.5 inch, 7mm height
Dimensions	100.20 x 69.75 x 6.70 mm
Weight	110g

Reliability / Compatibility

Data Path Protection	BCH ECC corrects up to 44 random bits/1KB
MTBF	2.0 million hours
Encryption	256-bit AES-compliant
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support
Endurance	Rated for 20GB/day of host writes for 3 years under typical client workloads
Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.2. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Operating Systems	Windows, Linux, Mac OSX
Power Requirements	Standard SATA Power Connector
Targeted Applications	Client workstations and laptops

Environmental

Power Consumption	Idle: 0.60W Active: 3.45W
Operating Temperature	0°C - 70°C
Storage Temperature	-45°C - 85°C
Shock Resistance	1000G/0.5ms
Vibration (Operational)	2.17Grms (7-800Hz)
Vibration (Non-operational)	3.13Grms (5-800Hz)
Altitude (Operational)	-1,000ft. to 10,000ft
Altitude (Non-operational)	-1,000ft. to 40,000ft
Certifications	UL C/US, FCC, CE, C-Tick, KCC, BSMI, VCCI, WEEE

OCZ may make changes to specifications and product descriptions at any time, without notice.

Product Brief | ARC 100 Series | V1.2 | ©2014 OCZ Storage Solutions, Inc. – A Toshiba Group Company   2

Additional

Performance Optimizations	TRIM (requires OS support), Idle Time Garbage Collection
Service & Support	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support, Firmware Updates

Ordering Information

	Model	Part Number	UPC
	120GB	ARC100-25SAT3-120G	842024036463
ARC 100	240GB	ARC100-25SAT3-240G	842024036470
	480GB	ARC100-25SAT3-480G	842024036487