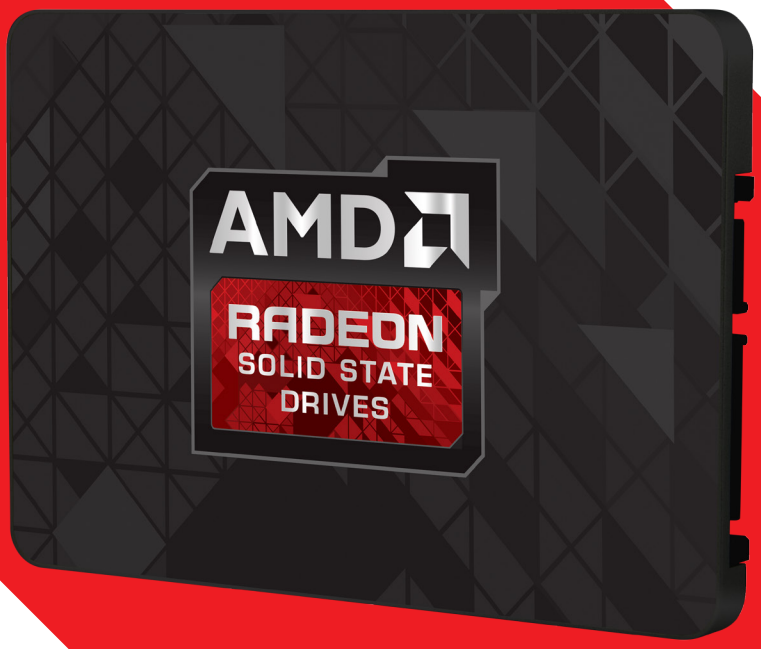

RADEON™ R7 SERIES

SOLID STATE DRIVES

The Ultimate Storage for your Gaming Desktop or Notebook PC

Prepare yourself for a new level of performance and revel in a storage experience second to none with superior gaming, system responsiveness, and application performance. Using cutting-edge SSD technology designed with enthusiasts in mind, the Radeon™ R7 Series SSDs meets the demands of gamers and graphics-hungry power users for fast system boot-ups, insane speeds, and scorching fast load times. Now there is finally a storage solution to match the rest of your high-end system components for an unmatched gaming and multimedia experience.

Product Highlights

- Designed to deliver the ultimate storage solution for gamers and graphics-hungry power users.
- Proprietary OCZ Barefoot 3 controller technology delivers superior performance and endurance
- Latest generation A19nm flash delivers a high performance yet cost-effective upgrade
- Advanced suite of NAND flash management keeps your drive at higher sustained performance over the long term
- Putting emphasis on client workload endurance, rated at 30GB/day of host writes for 4 years*
- Excels in both incompressible and compressible data types such as multimedia, encrypted data,. ZIP files and software
- Bundled with a 3.5-inch desktop adapter bracket and Acronis® True Image™ HD cloning software to easily transfer games, programs, and data from your old hard drive
- Sleek alloy housing offers slimmer 7mm z-height for compatibility with the ultra-thin notebooks

PERFORMANCE	120GB	240GB	480GB
Max Read (MB/sec)[1]	550	550	550
Max Write (MB/sec)[1]	470	530	530
FOB Random Read IOPS (4K QD32)[2]	85,000	95,000	100,000
FOB Random Write IOPS (4K QD32)[2]	90,000	90,000	90,000
Steady State Random Write IOPS (4K QD32)[3]	12,000	20,000	23,000

PHYSICAL	
Usable Capacities (IDEMA)	120GB - 480GB
NAND Components	Toshiba A19nm Multi-Level Cell (MLC)
Interface	Serial ATA (SATA) 6Gb/s (SATA III)
Form Factor	2.5 inch, 7mm height
NAND Controller	Indilinx Barefoot 3 M00
Dimensions	99.70 x 69.75 x 7.00 mm
Drive Weight	115g

RELIABILITY / COMPATIBILITY	
Data Path Protection	BCH ECC corrects up to 44 random bits/1KB
MTBF	2.3 million hours
Encryption	256-bit AES-compliant
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support
Endurance*	Rated for 30GB/day of host writes for 4 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

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ADDITIONAL	
Performance Optimizations	TRIM (requires OS support), Idle Time Garbage Collection
Service & Support	4-Year ShieldPlus Warranty, Toll-Free Tech Support, 24 Hour Forum Support, Firmware Updates
Accessories	3.5" desktop adapter
Software	Bundled with Acronis True Image HD**

ORDERING INFORMATION	MODEL	PART NUMBER	UPC
Radeon™ R7 Series SSDs	120GB	RADEON-R7SSD-120G	842024036814
	240GB	RADEON-R7SSD-240G	842024036821
	480GB	RADEON-R7SSD-480G	842024036838

* Endurance is calculated using continuous 4K random write workload over a 24-hour period. OCZ measures how much of a drive endurance was consumed in that period and data is then extrapolated out to show what the endurance would look like after 4 years of running the workload continuously. Typical users will not write to an SSD 24hours/per day for all 4 years.

** Current version of Acronis True Image HD supports Windows XP, Windows Vista, Windows 7, and Windows 8

1. Maximum sequential speeds are measured with ATTO. Test conducted and verified by OCZ
2. 4KB random performance is measured with Crystal Disk Mark, 1000MB test file size, QD32. Test conducted and verified by OCZ.
3. Steady State performance measured with IOMeter 2010 after a 12hr precondition according to SNIA guidelines. Test conducted and verified by OCZ.

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