

ARC8050T3 Series

AJA (macOS)										(MB/Sec)
HDD Type	RAID Level	ARC8050T3-24R		ARC8050T3-12/12R		ARC8050T3-8		ARC8050T3-6/6M		
		Write	Read	Write	Read	Write	Read	Write	Read	
SSD	R0	2251	2400	2266	2399	2226	2354	2020	2270	
	R5	2035	2387	2023	2388	2017	2325	1686	2270	
	R6	2025	2383	2018	2379	2003	2301	1428	2030	
SAS	R0	2187	2358	2174	2359	1931	1622	1281	1327	
	R5	2025	2342	1985	2312	1700	1432	1217	1029	
	R6	2014	2368	1964	2145	1468	1227	1002	820	
SATA	R0	2232	2391	2203	2296	1970	1644	1506	1248	
	R5	2025	2378	1981	2306	1727	1444	1243	1040	
	R6	2032	2370	1991	2152	1484	1228	1009	833	

Iometer (Windows)										(MB/s)
HDD Type	RAID Level	ARC8050T3-24R		ARC8050T3-12/12R		ARC8050T3-8		ARC8050T3-6/6M		
		Write	Read	Write	Read	Write	Read	Write	Read	
SSD	R0	2810	2745	2593	2692	2686	2765	2111	2669	
	R5	2325	2751	2303	2678	2324	2679	1765	2651	
	R6	2333	2740	1928	2662	2120	2666	1410	2723	
SAS	R0	2778	2754	2781	2717	1932	1861	1446	1412	
	R5	2329	2805	2330	2538	1688	1640	1210	1184	
	R6	2331	2807	2316	2309	1448	1403	964	946	
SATA	R0	2803	2744	2706	2706	1816	1895	1432	1438	
	R5	2329	2739	2325	2551	1592	1663	1193	1204	
	R6	2327	2754	2255	2323	1367	1425	952	963	

Black Magic (macOS)										(MB/s)
HDD Type	RAID Level	ARC8050T3-24R		ARC8050T3-12/12R		ARC8050T3-8		ARC8050T3-6/6M		
		Write	Read	Write	Read	Write	Read	Write	Read	
SSD	R0	1928.6	2104.8	1948.1	2089.4	1841.4	2010.9	1797.7	1920.5	
	R5	1730.1	2138.3	1736.8	2130.6	1701.1	2025.6	1692.8	1819.9	
	R6	1724.2	2110.4	1715.8	2083.6	1701.9	1961.0	1387.7	1671.0	
SAS	R0	1809.4	2103.0	1776.4	2027.0	1653.8	1551.0	1266.7	1220.2	
	R5	1712.8	2079.4	1631.2	1979.2	1443.4	1341.5	1141.4	895.4	
	R6	1705.5	2086.5	1613.9	1907.3	1294.4	1088.9	1146.0	653.2	
SATA	R0	1813.2	2094.2	1815.1	1985.4	1646.7	1607.2	1442.4	1064.9	
	R5	1712.6	2125.2	1626.4	1932.8	1514.6	1368.7	1337.0	857.4	
	R6	1708.9	2024.0	1616.9	1940.5	1424.5	1098.7	1094.0	700.5	

Actual data rates may vary depending on operating environment, RAID mode, RAID configuration, disk model and disk performance.

Test Information

Model	ARC8050T3 Series
F/W	V1.54 2017-12-04 (t1-2017/12/11)
BOOT ROM	V1.54 2017-09-21
PL Firmware	15.0.2.0
macOS Sierra 10.12.6	MacBook Pro 2.6GHz Intel Core i7 / 16GB 2133 MHz LPDDR3
Driver	ArcMSR-1.3.9-20170906
Windows 10 64bit	Intel Core i5-7400@ 3.0GHz / 4 GB 2134MHz DDR4 x2 / GA-Z170X-Gaming 7
Driver	6.20.0.33 9/6/2017

HDD Information

Type	SATA	ST10000NM0016-1TT101	Firmware Version	SND0
Type	SAS	ST10000NM0096	Firmware Version	E002
Type	SSD	KINGSTON SEDC400S37960G	Firmware Version	SAFM32.F
Type	SSD	Samsung SSD 840 PRO Series	Firmware Version	DXM06B0Q
Type	SSD	Samsung SSD 850 PRO 128GB	Firmware Version	EXM02B6Q
Type	SSD	TOSHIBA THNSNJ960PCSZ	Firmware Version	JZET6102
Type	SSD	HGST SDLL1MLR038TCCA1	Firmware Version	Y130

Raid Setup

Raid 0	64KB Stripe Size
Raid 5	64KB Stripe Size
Raid 6	64KB Stripe Size

AJA System Test 2.1 (macOS)

Resolution	4096x2160 4K-2160
Test File Size	16GB
Codec Type	10bit RGB

Controller Configuration

End Device Frame Buffering	Enabled
Buffer Threshold Setting	25%
Optimize AV Recording	Disabled

Iometer (Windows)

Outstanding I/Os	16
Test Item	512K Sequential Write & 512K Sequential Read

Controller Configuration

End Device Frame Buffering	Enabled
Buffer Threshold Setting	25%
Optimize AV Recording	Disabled

Black Magic design (macOS)

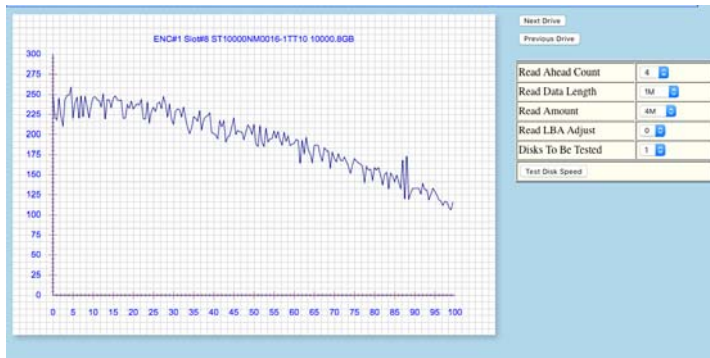
Disk Speed Test	V2.1.1
Stress	5GB

Controller Configuration

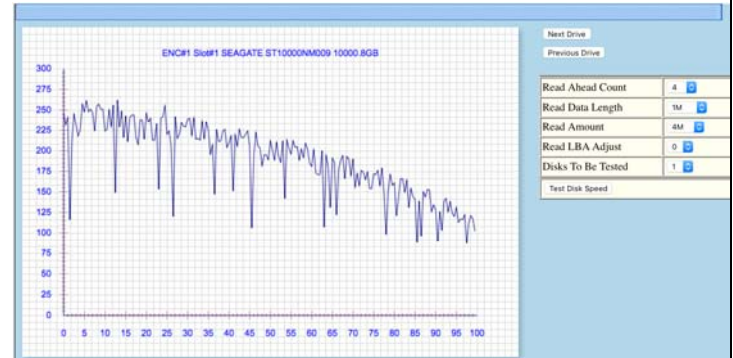
End Device Frame Buffering	Enabled
Buffer Threshold Setting	25%
Optimize AV Recording	Disabled

Hdd Xfer Speed

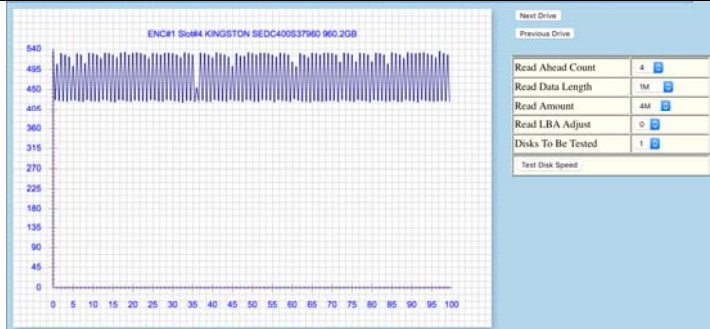
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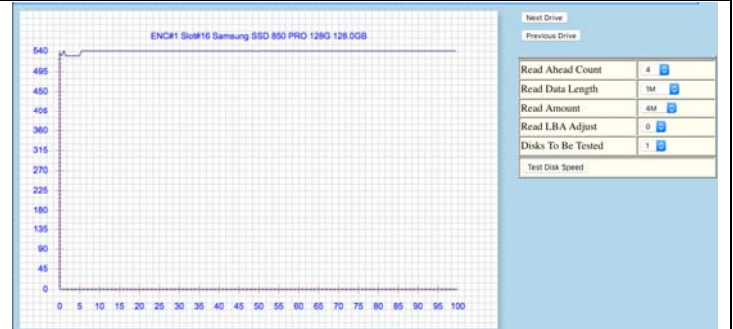
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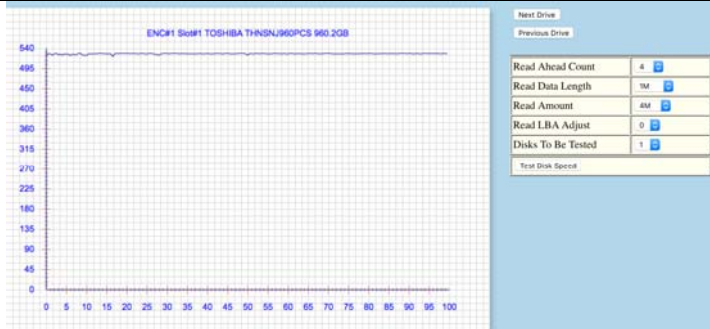
KINGSTON SEDC400S37960G



Samsung SSD 840 PRO Series



TOSHIBA THNSNJ960PCSZ



HGST SDLL1MLR038TCCA1

