

ARC8050T3 Series

| | | AJA (MB/Sec) | | | | | | | |
|------|----|---------------|------|------------------|------|-------------|------|----------------|------|
| Mac | | 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 (MB/s) | | | | | | | |
|------|----|----------------|------|------------------|------|-------------|------|----------------|------|
| PC | | 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 (MB/s) | | | | | | | |
|------|----|--------------------|--------|------------------|--------|-------------|--------|----------------|--------|
| Mac | | 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

| | |
|----------------|-------------------|
| 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

| | |
|------------------|--|
| 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

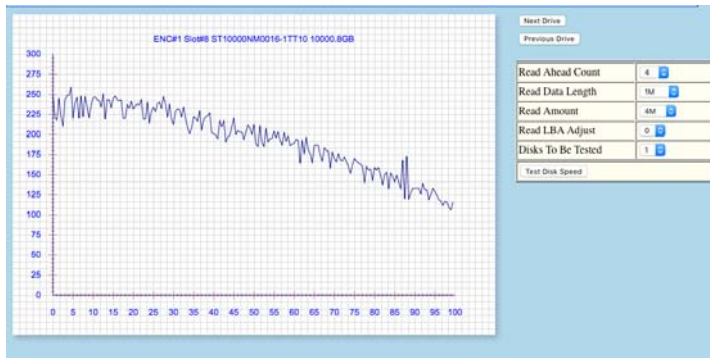
| | |
|-----------------|--------|
| Disk Speed Test | V2.1.1 |
| Stress | 5GB |

Controller Configuration

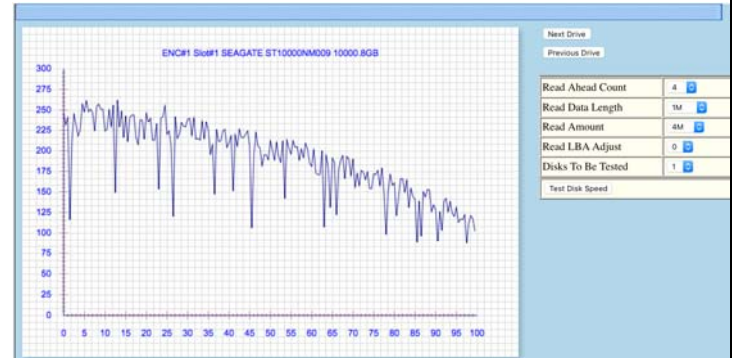
| | |
|----------------------------|----------|
| End Device Frame Buffering | Enabled |
| Buffer Threshold Setting | 25% |
| Optimize AV Recording | Disabled |

Hdd Xfer Speed

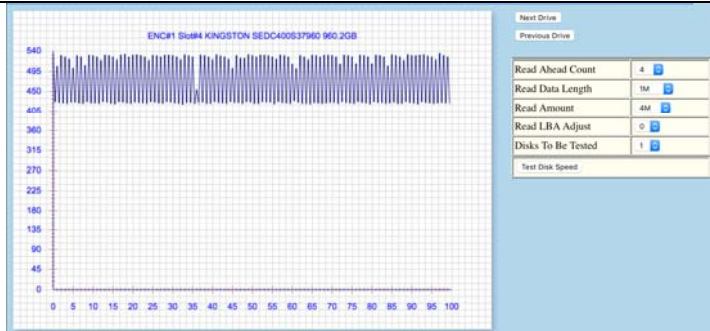
ST10000NM0016-1TT101



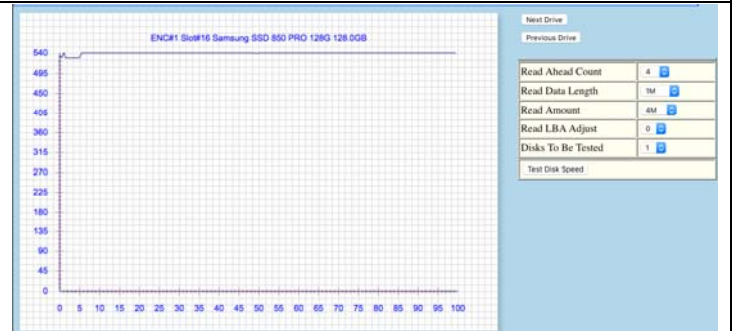
ST10000NM0096



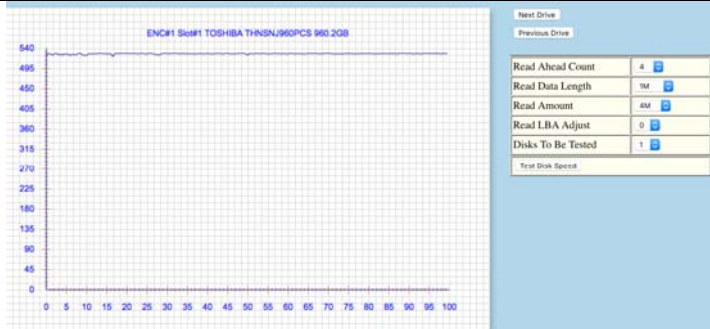
KINGSTON SEDC400S37960G



Samsung SSD 840 PRO Series



TOSHIBA THNSNJ960PCSZ



HGST SDLL1MLR038TCCA1

