

Areca SAS/SATA Controllers SSD Compatibility Matrix

As of Jan-20-2017

Minimum testing for listed Solid State Drives consists of recognition on each RAID adapter model and data integrity I/O stress load.

The following table is the list of current qualified and supported Solid State Drives (SSD) drives.

| Brand | Model Name | Capacity | Firmware | SATA 6Gb RAID Cards | | SAS 6Gb RAID Cards | | SAS 12Gb RAID Cards | | Remark |
|----------|-----------------------------------|-----------|--------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|---------------|
| | | | | Simple Test | Stress Test | Simple Test | Stress Test | Simple Test | Stress Test | |
| Adata | XPG SX900 | 256GB | 5.0.1 | Pass | Pass | Pass | Pass | -- | --. | |
| Adata | XPG SX910 | 512GB | 5.0.1 | Pass | Pass | Pass | Pass | -- | --. | |
| Crucial | CT128M4SSD2 | 128GB | 009 | Pass*1 | Pass*1 | Pass*1 | Pass*1 | -- | --. | |
| Hitachi | HUSSL4040ASS60 (B) | 400GB | A131 | N.A. | N.A. | Pass | Pass | -- | --. | SAS Interface |
| Hitachi | HUSML4040ASS600 | 400GB | A300 | N.A. | N.A. | Pass | Pass | -- | --. | SAS Interface |
| Intel | SSDSC2BB080G4 | 80GB | D2010355 | Pass | -- | Pass | -- | -- | --. | |
| Intel | SSDSC2BX480G401 (3610 Series) | 480GB | Upto 2017.01 | -- | | -- | | Tested by distributor | | |
| Intel | SSDSC2BX4800G401 (3610 Series) | 800GB | Upto 2017.01 | -- | | -- | | Tested by distributor | | |
| Intel | SSDSC2BAxxxG301 (3700 Series) | 100-800GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Intel | SSDSC2BBxxxG401 (3500 Series) | 80-800GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Intel | SSDSA2CW160G3K5 (320 Series) | 160GB | 4PC10362 | Pass | Pass | Pass | Pass | -- | --. | |
| Intel | SSDSC2MH120A2K5 (510 Series) | 120GB | PPG4 | Pass | Pass | Pass | Pass | -- | --. | |
| Intel | SSDSA2BZ100G3 (710 Series) | 100GB | 6PB10362 | Pass | Pass | Pass | Pass | -- | --. | |
| Kingston | SKC300S37A/480G (SSDNow KC300) | 480GB | 524ABBF0 | Pass | -- | Pass | -- | -- | --. | |

Simple Test : No Error found in 1 week

Stress Test : No Error found in 1 month

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|----------|--|-----------|--------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|---------------|
| | | | | Simple Test | Stress Test | Simple Test | Stress Test | Simple Test | Stress Test | |
| Kingston | SE100S37/400G (SSDNow E100) | 400GB | 516ABBF0 | Pass | -- | Pass | -- | -- | -- | |
| OCZ | D2CSTK251M11-0240 | 240GB | 2.15 | Pass | Pass | Pass | Pass | -- | -- | |
| OCZ | VTX3-25SAT3-240G (VERTEX3 Series) | 240GB | 2.15 | Pass | Pass | Pass | Pass | -- | -- | |
| OCZ | VTX4-25SAT3-128G (VERTEX4 Series) | 128GB | 1.5 | Pass*1 | Pass*1 | Pass*1 | Pass*1 | -- | -- | |
| OCZ | TL2CSAK2G2M1x-0240 (TALOS2 Series SAS) | 240GB | 2.22 | N.A. | N.A. | Pass*2 | Pass*2 | -- | -- | SAS Interface |
| Samsung | MZ7KM240HAGR | 240GB | 003Q | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7KM480HAHP | 480GB | 003Q | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7KM480HMHQ | 480GB | 004Q | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7KM960HAHP | 960GB | 003Q | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7KM960HMJP | 960GB | 004Q | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7LM240HCGR | 240GB | 003Q | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7WDxxxHAFV | 120-240GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7WDxxxHCFV | 120-240GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7WD480HAGM | 480GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7WD480HCGM | 480GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7WD960HAGP | 960GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZ7WD960HMHP | 960GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |
| Samsung | MZIES400HMGR | 400GB | Upto 2015.05 | N.A. | | Tested by distributor | | Tested by distributor | | SAS Interface |
| Samsung | MZ-7PDxxx (840 Pro Series) | 128-512GB | Upto 2015.05 | Tested by distributor | | Tested by distributor | | Tested by distributor | | |

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|----------|--------------------------------|----------|----------|---------------------|-------------|--------------------|-------------|------------------------|-------------|---------------|
| | | | | Simple Test | Stress Test | Simple Test | Stress Test | Simple Test | Stress Test | |
| Kingston | SE100S37/400G (SSDNow E100) | 400GB | 516ABBF0 | Pass | -- | Pass | -- | -- | --. | |
| Seagate | ST400FM0303 | 400GB | C006 | N.A. | N.A. | -- | --. | Tested by distributor | | SAS Interface |
| Seagate | ST800FM0173 | 800GB | C006 | N.A. | N.A. | -- | --. | Tested by distributor | | SAS Interface |
| Seagate | ST800FM0233 | 800GB | C006 | N.A. | N.A. | -- | --. | Tested by distributor | | SAS Interface |
| Seagate | ST960FM0003 | 960GB | C006 | N.A. | N.A. | -- | --. | Tested by distributor | | SAS Interface |
| Seagate | ST1600FM0073 | 1600GB | C006 | N.A. | N.A. | -- | --. | Tested by distributor | | SAS Interface |
| Seagate | ST1920FM0003 | 1920GB | C006 | N.A. | N.A. | -- | --. | Tested by distributor | | SAS Interface |
| Seagate | ST1920FM0043 | 1920GB | C006 | N.A. | N.A. | -- | --. | Tested by distributor | | SAS Interface |
| Seagate | ST200FM0013 | 200GB | E315 | N.A. | N.A. | -- | --. | Tested by drive vendor | | SAS Interface |
| Toshiba | THNSNJ256GCSU | 256GB | JUXA0102 | -- | --. | Pass | Pass | -- | --. | |
| Unigen | UGB884FA128HT1 | 128GB | 5.0.6 | Pass | Pass | Pass | Pass | -- | --. | |
| Unigen | UGB88RRA120HM1 | 120GB | 5.0.6 | Pass | Pass | Pass | Pass | -- | --. | |

1. The 6Gb SAS RAID controller firmware must be 2013-1-3 or later
2. Resume SSD has problem.

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