

Compatibility List for:
Adaptec RAID 2045
Adaptec RAID 2405
Adaptec RAID 2805
Adaptec RAID 2405Q with maxCache

This Compatibility Report reflects testing performed by Adaptec by PMC to test the interoperability of the products listed. It does not attempt to validate the quality of or preference for any of the listed products. It is also not an inclusive list and reflects a representative sample of products in each of the categories listed. All testing was done by the Adaptec by PMC Product Verification Group and the InterOperability Test Lab.

Minimum testing for listed drive enclosures consists of recognition on each RAID controller model and 24 hours of data integrity I/O stress load on each RAID Level under a variety of RAID states (optimal, suboptimal, degraded, compressed, expanded, and migrating). For enclosures that have a FW Revision associated with them, indicating an intelligent backplane, Activity and Fault LEDs on the enclosure are also tested.

| Enclosures | | | | | | | | |
|------------|------------------|--------------------------------|-----------------|----------------------|---------------|-----------------|-----------|-------|
| Type | Manufacturer | Model | Expander Vendor | Expander FW Revision | SEP Vendor | SEP FW Revision | # of Bays | Speed |
| SAS/SATA | AIC (Xtore) | MiniBOD Series: XJ-SA01-008-A1 | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | AIC (Xtore) | RSC-3EG2-80R-SA1C1-0-R | N/A | N/A | Virtual SGPIO | 0001 | 16 | 3G/6G |
| SAS/SATA | Area Electronics | ADS-NDS1400SM | DataOn | 2A70 | N/A | N/A | 12 | 3G |
| SAS/SATA | Chenbro | RM11704B | N/A | N/A | N/A | N/A | 4 | 3G/6G |
| SAS/SATA | Chenbro | RM12404B | N/A | N/A | N/A | N/A | 4 | 3G/6G |
| SAS/SATA | Chenbro | RM13204 | N/A | N/A | N/A | N/A | 6 | 3G/6G |
| SAS/SATA | Chenbro | RM21508B | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | Chenbro | RM23212 | N/A | N/A | N/A | N/A | 12 | 3G/6G |
| SAS/SATA | Chenbro | RM31212B | N/A | N/A | N/A | N/A | 12 | 3G/6G |
| SAS/SATA | Chenbro | RM41416B | N/A | N/A | N/A | N/A | 16 | 3G/6G |
| SAS/SATA | Chenbro | RM21706 | N/A | N/A | N/A | N/A | 6 | 3G/6G |
| SAS/SATA | Chenbro | RM31616 | N/A | N/A | N/A | N/A | 16 | 3G/6G |
| SAS/SATA | Chenbro | RM31408 | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | Chenbro | SR105 | N/A | N/A | N/A | N/A | 4 | 3G/6G |
| SAS/SATA | Chenbro | SR107 | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | Chenbro | SR108 | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | Chenbro | SR209 | N/A | N/A | N/A | N/A | 4 | 3G/6G |

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| Enclosures | | | | | | | | |
|------------|--------------|--------------------------|-----------------|----------------------|-----------------|-----------------|-----------|-------|
| Type | Manufacturer | Model | Expander Vendor | Expander FW Revision | SEP Vendor | SEP FW Revision | # of Bays | Speed |
| SAS/SATA | CI Design | NSR316 | N/A | N/A | N/A | N/A | 16 | 3G/6G |
| SAS/SATA | CI Design | NSR11-224 | N/A | N/A | N/A | N/A | 24 | 3G/6G |
| SAS/SATA | CI Design | SR104 | N/A | N/A | N/A | N/A | 4 | 3G/6G |
| SAS/SATA | CI Design | SR208 | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | CI Design | SR212 | N/A | N/A | N/A | N/A | 12 | 3G/6G |
| SAS/SATA | CI Design | SR316 | N/A | N/A | N/A | N/A | 16 | 3G/6G |
| SAS/SATA | CI Design | SR524 | N/A | N/A | N/A | N/A | 24 | 3G/6G |
| SAS/SATA | CI Design | SR850 | N/A | N/A | N/A | N/A | 50 | 3G/6G |
| SAS/SATA | HP | HP StorageWorks D2700 | SAS AJ941 | 0131 | N/A | N/A | 25 | 6G |
| SAS/SATA | Intel | AXX6DRV3GEXP | Vitesse VSC7161 | 2.18 | Vitesse VSC7161 | 2.18 | 6 | 3G |
| SAS/SATA | Intel | AXX6DRV3GR | N/A | N/A | Vitesse | 2.17 | 6 | 3G/6G |
| SAS/SATA | Intel | SR2500 FALPASPMP | N/A | N/A | Vitesse VSC410 | 2.15 | 5 | 3G |
| SAS/SATA | Intel | SSR212MC | LSI | 01A | N/A | N/A | 12 | 3G |
| SAS/SATA | Newisys | NDS-8200 | Dell FS12 | R118 | N/A | N/A | 12 | 3G |
| SAS/SATA | Promise | VTrak J310sD | PMC PM8388 | 0107 | N/A | N/A | 12 | 3G |
| SAS/SATA | Promise | VTrak J310sS | PMC PM8388 | 0107 | N/A | N/A | 12 | 3G |
| SAS/SATA | Promise | VTrak J610sD | PMC PM8388 | 0107 | N/A | N/A | 16 | 3G |
| SAS/SATA | Promise | VTrak J610sS | PMC PM8388 | 0107 | N/A | N/A | 16 | 3G |
| SAS/SATA | Promise | Vtrak J630sS | PMC-Sierra | 6.12 | N/A | N/A | 16 | 3G/6G |
| SAS/SATA | Promise | Vtrak J630sD | PMC-Sierra | 6.12 | N/A | N/A | 16 | 3G/6G |
| SAS/SATA | Promise | Vtrak J830sS | PMC-Sierra | 6.12 | N/A | N/A | 24 | 3G/6G |
| SAS/SATA | Promise | Vtrak J830sD | PMC-Sierra | 6.12 | N/A | N/A | 24 | 3G/6G |
| SAS/SATA | Super Micro | SuperChassis 836E1-R800B | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 16 | 3G |
| SAS/SATA | Super Micro | SuperChassis 836E1-R800V | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 16 | 3G |
| SAS/SATA | Super Micro | SuperChassis 836E2-R800B | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 16 | 3G |
| SAS/SATA | Super Micro | SuperChassis 836E2-R800V | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 16 | 3G |
| SAS/SATA | Super Micro | SuperChassis 846A-R1200B | LSI SASX36 A.0 | 9 | N/A | N/A | 24 | 3G |
| SAS/SATA | Super Micro | SuperChassis 933E1-R760 | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 15 | 3G |
| SAS/SATA | Super Micro | SuperChassis 933E1-R760B | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 15 | 3G |

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| Enclosures | | | | | | | | |
|------------|--------------|--------------------------|------------------------------|----------------------|------------|-----------------|-----------|-------|
| Type | Manufacturer | Model | Expander Vendor | Expander FW Revision | SEP Vendor | SEP FW Revision | # of Bays | Speed |
| SAS/SATA | Super Micro | SuperChassis 933E2-R760 | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 15 | 3G |
| SAS/SATA | Super Micro | SuperChassis 933E2-R760B | LSI SASX28 | 9 bootrecord 3.1 | N/A | N/A | 15 | 3G |
| SAS/SATA | Super Micro | SuperChassis 219A | N/A | N/A | MG9072 | 0007 | 24 | 3G/6G |
| SAS/SATA | TST | ESR-102 | N/A | N/A | N/A | N/A | 2 | 3G/6G |
| SAS/SATA | TST | ESR-104 | N/A | N/A | N/A | N/A | 4 | 3G/6G |
| SAS/SATA | TST | ESR-106 | N/A | N/A | N/A | N/A | 6 | 3G/6G |
| SAS/SATA | TST | ESR-208 | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | TST | ESR-210 | N/A | N/A | N/A | N/A | 10 | 3G/6G |
| SAS/SATA | TST | ESR-212 | N/A | N/A | N/A | N/A | 12 | 3G/6G |
| SAS/SATA | TST | ESR-308 | N/A | N/A | N/A | N/A | 8 | 3G/6G |
| SAS/SATA | TST | ESR-316 | N/A | N/A | N/A | N/A | 16 | 3G/6G |
| SAS/SATA | TST | ESR-420 | N/A | N/A | N/A | N/A | 20 | 3G/6G |
| SAS/SATA | TST | ESR-524 | N/A | N/A | N/A | N/A | 24 | 3G/6G |
| SAS/SATA | Xtore | XJ-SA12-005 | AIC 5/10D | 304C | N/A | N/A | 5 | 3G |
| SAS/SATA | Xtore | XJ-SA12-010 | AIC 5/10D | 304C | N/A | N/A | 10 | 3G |
| SAS/SATA | Xtore | XJ-SA26-110R | AIC EM10-54C-01A1 | 114F | N/A | N/A | 10 | 3G |
| SAS/SATA | Xtore | XJ-SA26-212R | AIC EM12-54C-01A1 | 114F | N/A | N/A | 12 | 3G |
| SAS/SATA | Xtore | XJ-SA26-244R | Vitesse VSC7153 / VSC7154 | 114F | N/A | N/A | 24 | 3G |
| SAS/SATA | Xtore | XJ-SA24-316R | AIC EM16-53C-01A2 | 114F | N/A | N/A | 16 | 3G |

Minimum testing for listed hard drives includes direct-attached recognition on each RAID controller model subjected to data integrity I/O stress load under each RAID Level with a variety of RAID states (optimal, suboptimal, degraded, compressed, expanding, and migrating). When selecting a hard drive, be aware that other factors not taken into account during this testing may impact successful operation. Just a few examples of such are, the use of an enclosure/backplane, not following the drive vendor's usage guidelines, or not providing adequate environmental support. Our compatibility reports are intended to be used as a guideline for compatibility, but it's important to factor in **all** requirements for your particular configuration prior to selecting a hard drive to fit your needs.

Intelligent Power Management is an Adaptec-exclusive controller feature that can reduce hard drive power consumption by up to 70%. Testing has been performed to validate drive support of Standby Mode – drives spin at a reduced RPM – and Power-Off Mode – drive completely spun down for maximum power savings. A 'check mark' indicates Adaptec testing resulted in reduced power in that particular power mode. If there is no 'check mark', Adaptec testing did not yield savings in hard drive power consumption.

| SAS Hard Drives | | | | | | | Intelligent Power Management | |
|-----------------|--------------|-------------------|-----------------|-------------|----------|-------|------------------------------|----------------|
| Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode | Power-Off Mode |
| SAS | Hitachi | Ultrastar 15K300 | HUS153073VLS300 | A320 | 73GB | 3G | | ✓ |
| SAS | Hitachi | Ultrastar 15K300 | HUS153014VLS300 | A320 | 147GB | 3G | | ✓ |
| SAS | Hitachi | Ultrastar 15K300 | HUS153030VLS300 | A320 | 300GB | 3G | | ✓ |
| SAS | Hitachi | Ultrastar 15K450 | HUS154545VLS300 | A4B0, A500 | 450GB | 3G | | ✓ |
| SAS | Hitachi | Ultrastar 15K600 | HUS156045VLS600 | A53E | 450GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar 15K600 | HUS156045VLS601 | A392 | 450GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar 15K600 | HUS156030VLS600 | A310, A510 | 600GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar 15K600 | HUS156030VLS601 | A392 | 600GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar 15K600 | HUS156060VLS600 | A392 | 600GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar 15K600 | HUS156060VLS601 | A392 | 600GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar C10K147 | HUC101473CSS300 | A210 | 73GB | 3G | | ✓ |
| SAS | Hitachi | Ultrastar C10K147 | HUC101414CSS300 | A210 | 147GB | 3G | | ✓ |
| SAS | Hitachi | Ultrastar C10K300 | HUC103014CSS600 | A120 | 147GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar C10K300 | HUC103030CSS600 | A120 | 300GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar C10K600 | HUC106060CSS600 | A202 | 600GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar C15K147 | HUC151473CSS600 | A330 | 73GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar C15K147 | HUC151473CSS601 | A330 | 73GB | 6G | | ✓ |
| SAS | Hitachi | Ultrastar C15K147 | HUC151414CSS600 | A330 | 147GB | 6G | | ✓ |

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| SAS Hard Drives | | | | | | | Intelligent Power Management | |
|-----------------|--------------|--------------------|-----------------|-------------|----------|-------|------------------------------|-------------------|
| Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode | Power-Off Mode |
| SAS | Hitachi | Ultrastar C15K147 | HUC151414CSS601 | A330 | 147GB | 6G | | ✓ |
| SAS | Seagate | Barracuda ES.2 | ST3500620SS | 0002 | 500GB | 3G | | ✓ |
| SAS | Seagate | Barracuda ES.2 | ST3750630SS | 0002 | 750GB | 3G | | ✓ |
| SAS | Seagate | Barracuda ES.2 | ST31000640SS | 0002 | 1TB | 3G | | ✓ |
| SAS | Seagate | Cheetah 15K.5 | ST373455SS | 0004 | 73GB | 3G | | ✓ |
| SAS | Seagate | Cheetah 15K.5 | ST3146855SS | 0004 | 146GB | 3G | | ✓ |
| SAS | Seagate | Cheetah 15K.5 | ST3300655SS | 0004 | 300GB | 3G | | ✓ |
| SAS | Seagate | Cheetah 15K.6 | ST3146356SS | 0003 | 146GB | 3G | | ✓ |
| SAS | Seagate | Cheetah 15K.6 | ST3300656SS | 0003 | 300GB | 3G | | ✓ |
| SAS | Seagate | Cheetah 15K.6 | ST3450856SS | 0003 | 450GB | 3G | | ✓ |
| SAS | Seagate | Cheetah 15K.7 | ST3300657SS | 0005, 0006 | 300GB | 6G | | ✓ |
| SAS | Seagate | Cheetah 15K.7 | ST3450857SS | 0005 | 450GB | 6G | | ✓ |
| SAS | Seagate | Cheetah 15K.7 | ST3600057SS | 0005 | 600GB | 6G | | ✓ |
| SAS | Seagate | Cheetah NS | ST3400755SS | 0001 | 400GB | 3G | | ✓ |
| SAS | Seagate | Constellation | ST9500430SS | 0002 | 500GB | 6G | | ✓ |
| SAS | Seagate | Constellation | ST9500431SS | 0002 | 500GB | 6G | | ✓ |
| SAS | Seagate | Constellation.2 | ST91000640SS | 0003 | 1TB | 6G | | ✓ |
| SAS | Seagate | Constellation ES | ST32000444SS | 0004, 0005 | 2TB | 6G | | ✓ |
| SAS | Seagate | Constellation ES | ST2000NM0001 | 0002 | 2TB | 6G | | ✓ |
| SAS | Seagate | Constellation ES.2 | ST33000650SS | 0002 | 3TB | 6G | | ✓ |
| SAS | Seagate | Savvio 10K.2 | ST973402SS | 0002 | 73GB | 3G | | ✓ |
| SAS | Seagate | Savvio 10K.2 | ST9146802SS | 0002 | 146GB | 3G | | ✓ |
| SAS | Seagate | Savvio 10K.3 | ST9146703SS | 0006 | 146GB | 6G | | ✓ |
| SAS | Seagate | Savvio 10K.3 | ST9146803SS | 0006 | 146GB | 6G | | ✓ |
| SAS | Seagate | Savvio 10K.3 | ST9300503SS | 0006 | 300GB | 6G | | ✓ |
| SAS | Seagate | Savvio 10K.3 | ST9300603SS | 0006 | 300GB | 6G | | ✓ |
| SAS | Seagate | Savvio 10K.4 | ST9600204SS | 0004 | 600GB | 6G | | <i>Not tested</i> |
| SAS | Seagate | Savvio 10K.5 | ST9900805SS | 0001 | 900GB | 6G | | <i>Not tested</i> |
| SAS | Seagate | Savvio 15K | ST936751SS | 0001 | 36GB | 3G | | ✓ |
| SAS | Seagate | Savvio 15K | ST973451SS | 0001 | 73GB | 3G | | ✓ |

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| SAS Hard Drives | | | | | | | Intelligent Power Management | |
|-----------------|-------------------|-------------------|-------------|-------------|----------|-------|------------------------------|-------------------|
| Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode | Power-Off Mode |
| SAS | Seagate | Savvio 15K.2 | ST9146752SS | 0005 | 146GB | 6G | | ✓ |
| SAS | Seagate | Savvio 15K.2 | ST9146852SS | 0005 | 73GB | 6G | | ✓ |
| SAS | Seagate | Savvio 15K.2 | ST973352SS | 0005 | 73GB | 6G | | ✓ |
| SAS | Seagate | Savvio 15K.2 | ST973452SS | 0005 | 73GB | 6G | | ✓ |
| SAS | Seagate | Savvio 15K.3 | ST9300653SS | 0002 | 300GB | 6G | | <i>Not tested</i> |
| SAS | Toshiba (Fujitsu) | MAV2*** RC Series | MAV2036RC | 0110 | 36GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MAV2*** RC Series | MAV2073RC | 0110 | 73GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MAX3*** RC Series | MAX3036RC | 0102, 0104 | 36GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MAX3*** RC Series | MAX3073RC | 0102, 0104 | 73GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MAX3*** RC Series | MAX3147RC | 0104 | 147GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MAY2*** RC Series | MAY2036RC | 0103 | 36GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MAY2*** RC Series | MAY2073RC | 0103 | 73GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBA3*** RC Series | MBA3073RC | 0103 | 73GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBA3*** RC Series | MBA3147RC | 0103 | 147GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBA3*** RC Series | MBA3300RC | 0103 | 300GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBB2*** RC Series | MBB2073RC | 0105 | 73GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBB2*** RC Series | MBB2147RC | 0105 | 147GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBC2*** RC Series | MBC2036RC | 0104 | 36GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBC2*** RC Series | MBC2073RC | 0104 | 73GB | 3G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBD2*** RC Series | MBD2147RC | 0102 | 147GB | 6G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBD2*** RC Series | MBD2300RC | 0102 | 300GB | 6G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBE2*** RC Series | MBE2073RC | 0103 | 73GB | 6G | | ✓ |
| SAS | Toshiba (Fujitsu) | MBE2*** RC Series | MBE2147RC | 0103 | 147GB | 6G | | ✓ |
| SAS | Toshiba | MBF2** LRC Series | MBF245LRC | 6102 | 450GB | 6G | | <i>Not tested</i> |
| SAS | Toshiba | MBF2*** RC Series | MBF2600RC | 0107 | 600GB | 6G | | ✓ |
| SAS | Toshiba | MKx001TRKB Series | MK1001TRKB | 0105 | 1TB | 6G | | <i>Not tested</i> |
| SAS | Toshiba | MKx001TRKB Series | MK2001TRKB | 0105 | 2TB | 6G | | <i>Not tested</i> |
| SAS | Western Digital | S25 | WD1460BKFG | D0E0 | 146GB | 6G | | ✓ |
| SAS | Western Digital | S25 | WD3000BKFG | D0E0 | 300GB | 6G | | ✓ |
| SAS | Western Digital | S25 | WD4500BKFG | D0E0 | 450GB | 6G | | ✓ |

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| SAS Hard Drives | | | | | | | Intelligent Power Management | |
|-----------------|-----------------|--------|------------|-------------|----------|-------|------------------------------|----------------|
| Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode | Power-Off Mode |
| SAS | Western Digital | S25 | WD4500BKHG | VG03 | 450GB | 6G | | ✓ |
| SAS | Western Digital | S25 | WD6000BKHG | VG03 | 600GB | 6G | | ✓ |

| SATA Hard Drives | | | | | | | Intelligent Power Management | |
|------------------|---------|-------------------|-----------------|----------|-------------|----------|------------------------------|--------------|
| | Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode |
| SATA | Hitachi | Deskstar 5K3000 | HDS5C3020ALA632 | ML60A180 | 2TB | 6G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000 | HDS721075KLA330 | GK80A70M | 750GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000 | HDS721010KLA330 | GK80A70M | 1TB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000.B | HDT721016SLA380 | ST60A31B | 160GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000.B | HDT721025SLA380 | ST60A31B | 250GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000.B | HDT721032SLA360 | ST60A31B | 320GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000.B | HDT721050SLA360 | ST60A31B | 500GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000.B | HDT721064SLA360 | ST60A31B | 640GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000.B | HDT721075SLA360 | ST60A31B | 750GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K1000.B | HDT721010SLA360 | ST60A31B | 1TB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K160 | HDS721680PLA380 | P220A70A | 80GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K160 | HDS721612PLA380 | P220A70A | 120GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K160 | HDS721616PLA380 | P220A70A | 160GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K2000 | HDS722020ALA330 | JKAOA28A | 2TB | 3G | | ✓ |
| SATA | Hitachi | Deskstar 7K3000 | HDS723030ALA640 | MKAOA580 | 3TB | 6G | | ✓ |
| SATA | Hitachi | Deskstar E7K1000 | HDE721050SLA330 | ST60A31B | 500GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar E7K1000 | HDE721075SLA330 | ST60A31B | 750GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar E7K1000 | HDE721010SLA330 | ST60A31B | 1TB | 3G | | ✓ |
| SATA | Hitachi | Deskstar P7K500 | HDP725025GLA380 | GM30A52A | 250GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar P7K500 | HDP725032GLA360 | GM30A52A | 320GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar P7K500 | HDP725032GLA380 | GM30A52A | 320GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar P7K500 | HDP725040GLA360 | GMDOA52A | 400GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar P7K500 | HDP725040GLA380 | GM30A52A | 400GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar P7K500 | HDP725050GLA360 | GM40A52A | 500GB | 3G | | ✓ |
| SATA | Hitachi | Deskstar P7K500 | HDP725050GLA380 | GM30A52A | 500GB | 3G | | ✓ |
| SATA | Hitachi | Ultrastar 7K3000 | HUA723020ALA640 | MK70A580 | 2TB | 6G | | ✓ |
| SATA | Hitachi | Ultrastar 7K3000 | HUA723030ALA640 | MKAOA580 | 3TB | 6G | | ✓ |
| SATA | Hitachi | Ultrastar A7K1000 | HUA721050KLA330 | GKAOAB0A | 500GB | 3G | | ✓ |
| SATA | Hitachi | Ultrastar A7K1000 | HUA721075KLA330 | GKAOAB0A | 750GB | 3G | | ✓ |

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| SATA Hard Drives | | | | | | | Intelligent Power Management | |
|------------------|---------|-----------------------------|-----------------|------------|-------------|----------|------------------------------|-------------------|
| | Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode |
| SATA | Hitachi | Ultrastar A7K1000 | HUA721010KLA330 | GKAOAB0A | 1TB | 3G | | ✓ |
| SATA | Hitachi | Ultrastar A7K2000 | HUA722050CLA330 | JKAOA3EA | 500GB | 3G | | ✓ |
| SATA | Hitachi | Ultrastar A7K2000 | HUA722010CLA330 | JKAOA3EA | 1TB | 3G | | ✓ |
| SATA | Hitachi | Ultrastar A7K2000 | HUA722020ALA330 | JKAOA3EA | 2TB | 3G | | ✓ |
| SATA | Hitachi | UltraStar AK73000 | HUA723020ALA640 | MK7OA580 | 2TB | 6G | | ✓ |
| SATA | Samsung | SpinPoint F3 | HD103SJ | 1AJ10001 | 1TB | 3G | | ✓ |
| SATA | Samsung | SpinPoint F3R | HE103SJ | 1AJ10001 | 1TB | 3G | | ✓ |
| SATA | Samsung | SpinPoint F4 | HD322GJ | 1AR10001 | 320GB | 3G | | ✓ |
| SATA | Samsung | SpinPoint F4 | HD204UI | 1AQ10001 | 2TB | 3G | | ✓ |
| SATA | Seagate | Barracuda 3.5" Internal Kit | ST320005N4A1AS | CC34 | 2TB | 3G | | ✓ |
| SATA | Seagate | Barracuda 7200.12 | ST31000528AS | CC46 | 1TB | 3G | | ✓ |
| SATA | Seagate | Barracuda ES.2 | ST3250310NS | SN06 | 250GB | 3G | | ✓ |
| SATA | Seagate | Barracuda ES.2 | ST3500320NS | SN06 | 500GB | 3G | | ✓ |
| SATA | Seagate | Barracuda ES.2 | ST3750330NS | SN06 | 750GB | 3G | | ✓ |
| SATA | Seagate | Barracuda ES.2 | ST31000340NS | DN06 | 1TB | 3G | | ✓ |
| SATA | Seagate | Barracuda LP | ST31000520AS | CC34 | 1TB | 3G | | ✓ |
| SATA | Seagate | Barracuda LP | ST31500541AS | CC34 | 1.5TB | 3G | | ✓ |
| SATA | Seagate | Barracuda LP | ST32000542AS | CC32, CC34 | 2TB | 3G | | ✓ |
| SATA | Seagate | Barracuda XT | ST32000641AS | CC13 | 2TB | 6G | | ✓ |
| SATA | Seagate | Barracuda XT | ST33000651AS | CC44 | 3TB | 6G | | ✓ |
| SATA | Seagate | Constellation | ST9160511NS | SN03 | 160GB | 3G | | ✓ |
| SATA | Seagate | Constellation | ST9500530NS | SN03 | 500GB | 3G | | ✓ |
| SATA | Seagate | Constellation ES | ST31000524NS | N005 | 1TB | 3G | | <i>Not tested</i> |
| SATA | Seagate | Constellation ES | ST2000NM0011 | 0002 | 2TB | 6G | | <i>Not tested</i> |
| SATA | Seagate | Constellation ES | ST32000644NS | SN11, SN12 | 2TB | 3G | | ✓ |
| SATA | Seagate | Constellation ES | ST33000650NS | 0001 | 3TB | 6G | | ✓ |
| SATA | Seagate | Constellation.2 | ST91000640NS | 0001 | 1TB | 6G | | <i>Not tested</i> |
| SATA | Seagate | SV35.4 Series | ST3320410SV | CV11 | 320GB | 3G | | ✓ |
| SATA | Seagate | SV35.5 Series | ST3250311SV | CV12 | 250GB | 3G | | N/A |

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| | | | | | | | Intelligent Power Management | | |
|------------------|-----------------|-------------------|--------------|------------------------------|-------------|----------|------------------------------|-------------------|----------------|
| SATA Hard Drives | Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode | Power-Off Mode |
| SATA | Seagate | SV35.5 Series | ST3500410SV | CV12 | 500GB | 3G | | N/A | |
| SATA | Seagate | SV35.5 Series | ST31000525SV | CV12 | 1TB | 3G | | N/A | |
| SATA | Toshiba | MHZ2 BK Series | MHZ2080BK | 0000011E | 80GB | 3G | | ✓ | |
| SATA | Toshiba | MHZ2 BK Series | MHZ2120BK | 0000011E | 120GB | 3G | | ✓ | |
| SATA | Toshiba | MHZ2 BK Series | MHZ2160BK | 0000011E | 160GB | 3G | | ✓ | |
| SATA | Toshiba | MHZ2 BK Series | MHZ2250BK | 0000011E | 250GB | 3G | | ✓ | |
| SATA | Toshiba | MHZ2 BS Series | MHZ2120BS | 00000109 | 120GB | 1.5G | | ✓ | |
| SATA | Toshiba | MHZ2 BS Series | MHZ2250BS | 00000109 | 250GB | 1.5G | | ✓ | |
| SATA | Toshiba | MJA2 BH Series | MJA2250BH | 00000018 | 250GB | 3G | | ✓ | |
| SATA | Toshiba | MJA2 BH Series | MJA2320BH | 00000018 | 320GB | 3G | | ✓ | |
| SATA | Toshiba | MJA2 BH Series | MJA2400BH | 00000018 | 400GB | 3G | | ✓ | |
| SATA | Toshiba | MJA2 BH Series | MJA2500BH | 00000018 | 500GB | 3G | | ✓ | |
| SATA | Toshiba | MKx002TSKB Series | MK1002TSKB | MT2A | 1TB | 3G | | <i>Not tested</i> | |
| SATA | Toshiba | MKx002TSKB Series | MK2002TSKB | MT2A | 2TB | 3G | | <i>Not tested</i> | |
| SATA | Western Digital | S25 | WD6000BLHX | 04.05G04 | 600GB | 6G | | ✓ | |
| SATA | Western Digital | VelociRaptor | WD1500BLFS | 04.04V06 | 150GB | 3G | | ✓ | |
| SATA | Western Digital | VelociRaptor | WD1500HLFS | 04.04V06 | 150GB | 3G | | ✓ | |
| SATA | Western Digital | VelociRaptor | WD3000BLFS | 04.04V06 | 300GB | 3G | | ✓ | |
| SATA | Western Digital | VelociRaptor | WD3000GLFS | 04.04V06 | 300GB | 3G | | ✓ | |
| SATA | Western Digital | VelociRaptor | WD3000HLFS | 04.04V06 | 300GB | 3G | | ✓ | |
| SATA | Western Digital | WD RE3 | WD1002FBYS | 03.00C06 | 1TB | 3G | | ✓ | |
| SATA | Western Digital | WD RE3 | WD2502ABYS | 02.03B03 | 250GB | 3G | | ✓ | |
| SATA | Western Digital | WD RE3 | WD3202ABYS | 02.03B03 | 320GB | 3G | | ✓ | |
| SATA | Western Digital | WD RE3 | WD5002ABYS | 02.03B03 | 500GB | 3G | | ✓ | |
| SATA | Western Digital | WD RE3 | WD7502ABYS | 03.00C06 | 750GB | 3G | | ✓ | |
| SATA | Western Digital | WD RE4 | WD2503ABYX | 01.01S01 | 250GB | 3G | | <i>Not tested</i> | |
| SATA | Western Digital | WD RE4 | WD1003FBYX | 01.01V01 | 1TB | 3G | | <i>Not tested</i> | |
| SATA | Western Digital | WD RE4 | WD2003FYYS | 01.01D01 | 2TB | 3G | | ✓ | |
| SATA | Western Digital | WD RE4-GP | WD2002FYPS | 04.01G01, 04.05G04, 04.05G05 | 2TB | 3G | | ✓ | |

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| SATA Hard Drives | | | | | | | Intelligent Power Management | |
|------------------|-----------------|--------|------------|-------------|----------|-------|------------------------------|----------------|
| Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed | Standby Mode | Power-Off Mode |
| SATA | Western Digital | WD T3 | WD3009FYPX | 01.01001 | 3TB | 3G | | ✓ |

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| Solid State Drives (SSD) certified for maxCache* and RAID | | | | | | |
|---|----------------|----------------------------------|---------------------|-------------|----------|-------|
| Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed |
| SATA | ATP | Velocity SII | AF64GSSCD-I | 1002_0.4 | 64GB | 3G |
| SATA | Corsair | Force Series F120 | CSSD-F120GB2 | 1.0 | 120GB | 3G |
| SAS | Hitachi | UltraStar SSD400S | HUSSL4010ASS600 | A131 | 100GB | 6G |
| SAS | Hitachi | UltraStar SSD400S | HUSSL4040ASS600 | A131 | 400GB | 6G |
| SATA | Intel | 710 Series | SSDSA2BZ100G3 | 6PB10362 | 100GB | 3G |
| SATA | Intel | 510 Series | SSDSC2MH12 | PPG2 | 120GB | 6G |
| SATA | Intel | 320 Series | SSDSA2CT04 | 4PC10302 | 40GB | 3G |
| SATA | Intel | 320 Series | SSDSA2CW16 | 4PC10302 | 160GB | 3G |
| SATA | Intel | X25-E Extreme | SSDSA2SH032G1 | 045C8860 | 32GB | 3G |
| SATA | Intel | X25-E Extreme | SSDSA2SH064G1 | 045C8860 | 64GB | 3G |
| SATA | Intel | X25-M Mainstream | SSDSA2M160G2 | 2CV102HD | 160GB | 3G |
| SATA | Kingston | SSDNow V+100 Series | SVP100S | CJRA0202 | 128GB | 3G |
| SATA | Kingston | SSDNow KC100 Series | SKC100S3 | 321ABBF0 | 120GB | 6G |
| SATA | Kingston | SSDNow KC100 Series | SKC100S3 | 321ABBF0 | 480GB | 6G |
| SATA | Micron | RealSSD P300 | P300-MTFDDAC050S | 0001 | 50GB | 6G |
| SATA | OCZ Technology | Intrepid Series SATA II 2.5" SSD | ITDCSTE025M20-0256 | 1.5E | 256GB | 3G |
| SATA | OCZ Technology | Vertex 3 Series | VTX3-25SAT3-120G | 2.15 | 120GB | 6G |
| SATA | OCZ Technology | Vertex 3 Series | VTX3-25SAT3-240G | 2.15 | 240GB | 6G |
| SATA | OCZ Technology | Vertex 3 MAX IOPS Series | VTX3MI-256SAT3-240G | 2.15 | 240GB | 6G |
| SAS | OCZ Technology | Talos C Series | TALOS TCSAK352-0230 | 1.35 | 230GB | 6G |
| SATA | Samsung | 830 Series | MZ-7PC256D | CXM02W1Q | 256GB | 6G |
| SATA | Samsung | 470 Series | MZ-5PA128 | AXM0601Q | 128GB | 3G |
| SATA | Samsung | PM800 | MMCRE64G5MXP-0VB | VBM1801Q | 64GB | 3G |
| SATA | Samsung | PM800 | MMCRE28G5MXP-0VB | VBM1801Q | 128GB | 3G |
| SATA | Samsung | PM800 | MMDOE56G5MXP-0VB | VBM1801Q | 256GB | 3G |
| SATA | Samsung | SS415 | MCCOE50G5MPQ-0VA | VAC2303Q | 50GB | 1,5G |
| SATA | Samsung | SS805 | MCB4E50G5MXP-0VB | VBC3803Q | 50GB | 3G |
| SATA | Samsung | SS805 | MCCOE1HG5MXP-0VB | VBC3803Q | 100GB | 3G |
| SATA | Seagate | Pulsar.2 | ST100FM0012 | 0003 | 100GB | 6G |

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| Solid State Drives (SSD) certified for maxCache* and RAID | | | | | | |
|---|--------------|--------------|----------------|-------------|----------|-------|
| Type | Manufacturer | Family | Model | FW Revision | Capacity | Speed |
| SATA | STEC | MACH8 SSD | MACH8 IO | 2608 | 32GB | 1.5G |
| SATA | STEC | MACH16 | M16ISD2-200UCO | 00000184 | 200GB | 3G |
| SATA | Super Talent | TeraDrive CT | FTM12CT25H | STTMP2P1 | 120GB | 3G |
| SATA | Toshiba | HG3 Series | THNSNC128GBSJ | CJRA0202 | 128GB | 3G |
| SATA | Toshiba | HG3 Series | THNSNC256GBSJ | CJRA0202 | 256GB | 3G |
| SATA | Viking | Element | VRFS21100GBCNS | 346A13F0 | 100GB | 3G |
| SATA | Viking | SATADIMM | VRFSD1100GBCNS | 346A13F0 | 100GB | 3G |

* Note: 2405Q total maxCache SSD pool size is limited to 80GB.

| Non-DASD | | | | | |
|----------|--------------|------------|-----------------|-------------|----------|
| Type | Manufacturer | Category | Model | FW Revision | Capacity |
| SATA | Asus | DVD-ROM | E818A3T | 1.00 | N/A |
| SATA | Asus | DVD-RW | DRW-1814BLT | 1.04 | N/A |
| SATA | Asus | DVD-RW | 20B1LT | 1.00 | N/A |
| SATA | Asus | DVD-RW | 2014L1T | 1.02 | N/A |
| SATA | Asus | DVD-RW | 2014S1T | 1.01 | N/A |
| SATA | HP | CD-ROM | GCR-H11N | V613 | N/A |
| SATA | HP | Tape | DAT-72 | VC07A000 | 72GB |
| SAS | HP | Tape | LTO-4 | U26W | 800GB |
| SAS | HP | Tape | LTO-3 | U12D | 400GB |
| SAS | HP | Tape | LTO-2 | T23D | 400GB |
| SATA | lomega | Removable | RRD (REV-35) | 062B | 35GB |
| SATA | LG | DVD-RW | GH20NS15 | IL00 | N/A |
| SATA | LiteOn | DVD-ROM | DH-16D3S | SP52 | N/A |
| SATA | LiteOn | DVD-ROM | DH-52C2S | NP57 | N/A |
| SATA | LiteOn | DVD-RW | LH-20A1L | BL02, BL06 | N/A |
| SATA | Pioneer | DVD-RW | DVR-212DBK | 1.15 | N/A |
| SATA | Pioneer | DVD-RW | DVR-216DBK | 1.08 | N/A |
| SATA | Plextor | DVD-RW | PX-716SA | 1.08 | N/A |
| SATA | Quantum | Removable | QR1201, GoVault | V0064000 | 120GB |
| SATA | Quantum | Tape | DLT-V4 | 0500 | 160GB |
| SAS | Quantum | Tape | LTO-3 | 2076 | 400GB |
| SATA | Quantum | Tape Drive | DLT-V4 | 0900 | 160GB |
| SATA | Quantum | Tape Drive | DAT-72 | VC07A000 | 72GB |
| SATA | Samsung | DVD-RW | SHS223F | S800 | N/A |
| SATA | Sony | Tape | SDX-870V | 0100 | 390GB |
| SATA | Sony | Tape | SDX-570 | 0101 | 50GB |
| SATA | Sony | Tape | SDX-470 | 0101 | 35GB |
| SATA | Sony | Tape | SDX-470V (AIT1) | 0100 | 40GB |
| SATA | SonyNEC | DVD-RW | AD-7201S | 1.06 | N/A |
| SATA | SonyNEC | DVD-RW | AD-7200S | 1.06 | N/A |
| SATA | Tandberg | Removable | RDX | 0037 | 40GB |

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| Non-DASD | | | | | |
|----------|--------------|----------|-------|-------------|----------|
| Type | Manufacturer | Category | Model | FW Revision | Capacity |
| SAS | Tandberg | Tape | LTO-4 | 7381 | 800GB |

Minimum testing for listed host systems consists of single and multiple RAID controller recognition, RAID controller BIOS interaction with host, and operating system bootability from each RAID controller from every compatible PCI, PCI-X, or PCIe slot. Systems that are capable of supporting more than 4GB and more than 8GB of memory are also tested in operating system environments that support such a configuration. Please note that some systems or motherboards may be listed multiple times if different system BIOS or CPU configurations were used.

| Host Systems | | | | | | |
|--------------|-----------------------|-----------------------------|---------------------------|-----------------------------------|--------|-------------|
| Manufacturer | Model | BIOS | Chipset | CPU | Memory | Memory Type |
| Asus | KCMA-D8 | 0403 | AMD SR5670 | AMD Opteron 4184 2.8GHz 6 Cores | 4GB | DDR3 |
| Asus | KGPE-D16 | 2005 | AMD G34 | AMD Opteron 6128 2.0GHz 8 Cores | 8GB | DDR3 |
| Asus | P6T WS Pro | 1205 | Intel X58 | i7 960 3.2GHz | 4GB | DDR3 |
| Asus | P6T6 WS Revolution | 0905 | Intel X58 NVIDIA NF200 | i7 960 3.2GHz | 4GB | DDR3 |
| Asus | P6T7 WS SuperComputer | 1001 | Intel X58 NVIDIA NF200 | i7 960 3.2GHz | 4GB | DDR3 |
| Asus | P7F-M | 0801 | Intel 3420 PCH | i7 870 3.2GHz | 4GB | DDR3 |
| Asus | P8B-E/4L | 1101 | Intel C204 | Intel Xeon E31220 3.1GHz QuadCore | 8GB | DDR3 |
| Asus | WS P6T7 | 02.61 | Nvidia nForce 200X2 | i7 960 3.2 GHz | 4GB | DDR3 |
| Asus | Z8NA-D6 | 1209 | Intel 5500 IOH | Intel Xeon E5620 2.4GHz QuadCore | 4GB | DDR3 |
| Asus | Z8PE-D12X | 1103 | Intel 5520 | Intel E5645 2.4GHz | 8GB | DDR3 |
| Dell | PowerEdge T110 | 1.8.2 | Intel X3400 | Intel X3430 2.4GHz | 4GB | DDR3 |
| Intel | DX58SO | S0X5810J.86A.5561 | Intel X58 | i7 3.2GHz | 6GB | DDR3 |
| Intel | S3420GPLX | BIOS 48 BMC 23 FRU 18 | Intel 3420 | Intel Xeon 2.66GHz | 1GB | DDR3 |

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| Host Systems | | | | | | |
|--------------|-------------------------------|------------------------------|--------------------|------------------------------------|--------|-------------|
| Manufacturer | Model | BIOS | Chipset | CPU | Memory | Memory Type |
| Intel | S5000PSL | BIOS 98 BMC 65 FRU 48 | Intel 5000P | Intel Xeon 2.66GHz | 2GB | DDR2 533 |
| Intel | S5500BC | BIOS 33 BMC 34 FRU 12 | Intel 5520 | Intel Xeon 5500 | 4GB | DDR3 |
| Intel | S5500WB | BIOS 45 BMC 45 FRU 8 | Intel 5520 | Intel Xeon 5500 | 4GB | DDR3 |
| Intel | S5500WBV | BIOS 33 BMC 34 FRU 8 | Intel 5520 | Intel Xeon 5500 | 4GB | DDR3 |
| Intel | S5500WC | 0033 | Intel 5520/5500 | Intel Quad-Core Xeon 3.2GHz | 2GB | DDR3 |
| Intel | S5520HC | BIOS 57 BMC 56 FRU 30 | Intel 5520 | Intel Xeon Dual Core E5502 | 4GB | DDR3 |
| Intel | S5520SC | BIOS 60 BMC 58 FRU 30 | Intel 5520 | Intel Xeon Dual Core E5502 | 2GB | DDR3 |
| Intel | SE7525RP2 | AMI P.05 .00.0020 | Intel E7525 | Intel Xeon 2.8GHz | 2GB | DDR2 400 |
| Intel | SR2500 ALBRP (S5000PAL) | BIOS 101 BMC 68 FRU 48 | Intel 5000P | Intel Dual Core Xeon 3.0GHz | 1GB | DDR2 |
| Super Micro | X6DHE-G2 | Phoenix 2.0b | Intel E7520 | (2) Intel Dual Core Xeon 2.8GHz | 8GB | DDR 333 |
| Super Micro | X8DTH-iF | 2.0 | Intel 5520 | Intel Xeon L5520 2,26GHz | 2GB | DDR3 |
| Super Micro | X8DTE-F | 2.0 | Intel 5520 | Intel Xeon L5520 2,26GHz | 2GB | DDR3 |
| Super Micro | X8DTN+ | 0.5 | Intel 5520 | Intel Xeon X5570 2.93GHz | 2GB | DDR3 |
| Super Micro | X8Dti-F | 1.1b | Intel 5520 | Intel Xeon L5520 2,27GHz | 2GB | DDR3 |
| Super Micro | X8DAi | 08.00.15 | Intel 5520/5500 | Intel Quad-Core Xeon 3.2GHz | 2GB | DDR3 |

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| Host Systems | | | | | | |
|--------------|--------------------|----------------------|--|--------------------------------------|--------|--------------|
| Manufacturer | Model | BIOS | Chipset | CPU | Memory | Memory Type |
| Tyan | S2865 | Award | Nvidia nForce 4 SMC DME1737 | AMD | 2GB | DDR 333 |
| Tyan | S2892 Thunder K8SE | Phoenix 2.04 | Nvidia nForce Prof. 2200 (Crush K8-04 Pro) | AMD 2.0GHz | 4GB | DDR 400 |
| Tyan | S4985 | 2.04 | nVidia nForce Prof. 2200/2050 | Dual Core AMD Opteron processor 8218 | 4GB | DDR2 533/667 |
| Tyan | S5372 | Phoenix 4.0 Ver. 6.1 | Intel 5000V | Intel Xeon 3.0GHz | 4GB | DDR2 533/667 |
| Tyan | S5510 GM3NR | 1.03 | Intel C204 | Intel Xeon E31220 3.1GHz QuadCore | 8GB | DDR3 |

Note:

If you encounter problems with a certain system or device, check the manufacturer for the latest BIOS or microcode. Go to the Adaptec web site frequently for the latest updated list at <http://www.adaptec.com/compatibility>

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