# Vess A2000 Series
# SR2.1 Compatibility List

**Date: Aug. 3, 2018** **Version: 1.3**

**Vess A2000 Series Systems Covered:**

- **Vess A2600 /A2600s** – 3U/16-bays NVR Storage Appliance
- **Vess A2200 / A2200s** – 2U/6-bays NVR Storage Appliance

**Systems Versions Covered:**

- **BootLoader** – Version 0.02.0000.08
- **InstallPkg** – Version 2.01.0000.02
- **Firmware** – Version 0.00.0026.02
- **Software** – Version 0.00.0302.57

**DEVICE COMPATIBILITY NOTE:**

Basic compatibility between the 3rd party device and Promise device has been verified in typical configurations, unless otherwise stated.
The EOL of 3rd party device may not be in the current list, user can refer older version of Promise compatibility list to get those test result.

**DISCLAIMERS:**

Only the versions available at time of testing have been verified, as listed.
Corner cases may exist depending on user configuration etc.
Individual 3rd party units may exhibit problems that did not show up in through the Promise test process.
Published performance is not assured with configuration deviations.
Some listed devices may go EOL. AVL listing does not imply market availability.

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## Document History

| Date | Release Label | Release Version | Notes |
|---|---|---|---|
| April 29, 2013 | FCS | First release<br>Qualified some devices:<br>● SATA Hard Drive: 17 models<br>● OS: 2 sets<br>● USB Flash Drive: 7 models. | |
| June 18, 2013 | FCS | Based on first released compatibility list with new added disk drive devices:<br>● SATA Hard Drive: 5 models | HUS724040ALA640<br>HUS724030ALA640<br>HUS724020ALA640<br>HMS5C4040ALE640<br>MG03ACA300 |
| July 19, 2013 | FCS | Based on last released compatibility list with new added disk drive devices: (blue and orange-color highlights)<br>● SATA Hard Drive: 10 models | ST4000NM0033<br>ST3000NM0033<br>ST2000NM0033<br>ST1000NM0033<br>ST3000NC000<br>ST2000NC000<br>ST1000NC000<br>WD4000F9YZ<br>WD3000F9YZ<br>WD2000F9YZ |
| February 07, 2014 | SR1 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● New SATA Hard Drive: 6 models<br>● Firmware Update Hard Drive: 1 model<br>● Operating System: 1 model<br>● USB flash drive: 5 models<br>● Host Bus Adapter: 2 models<br>● Plug-in supported: 5 versions<br>● VMS Compatibility list: 7 versions. | HMS5C4040BLE640<br>HUA722010CLA330<br>ST4000NC001<br>ST4000NC000<br>WD5003ABYZ<br>WD2503ABYZ |
| April 22, 2014 | SR1 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● New SATA Hard Drive: 3 models<br>● Firmware Update Hard Drive: 1 model | ST5000NM0024<br>WD1003FBYZ<br>WD1002F9YZ |
| July 24, 2014 | SR1.1 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● New SATA Hard Drive: 10 models<br>● USB Flash Drive: 4 models.<br>● Host Bus Adapter: 2 models<br>● External Graphics Card: 6 models<br>● DVR Add-in Card: 1 model<br>● OS: 8 sets<br>● VMS Compatibility list: 3 versions | ST4000VX000<br>ST3000VX002<br>MG04ACA500E<br>MG04ACA400E<br>MG04ACA300E<br>MG04ACA200E<br>MC04ACA500E<br>MC04ACA400E<br>MC04ACA300E<br>MC04ACA200E |
| December 15, 2014 | SR1.1 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights) | |

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| | | | |
|---|---|---|---|
| | | • Update hard drive firmware: 4 models | |
| February 11, 2015 | SR1.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• Update hard drive firmware: 1 model<br>• New SATA Hard Drive: 4 models<br>• VMS Compatibility list: 1 version | ST6000VX0001<br>ST5000VX0001<br>ST8000AS0002<br>ST6000AS0002 |
| March 24, 2015 | SR1.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• VMS Compatibility list: 4 version<br>• New External Graphics Card: 1 model | |
| April 30, 2015 | SR1.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• New SATA Hard Drive: 1 model | MG04ACA600E |
| September 2, 2015 | SR1.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• New SATA Hard Drive: 1 model<br>• VMS Compatibility list: 1 version | MD04ABA500V |
| December 2, 2015 | SR1.3 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• New SATA Hard Drive: 7 model | WD60PURX<br>WD50PURX<br>WD40PURX<br>WD30PURX<br>WD20PURX<br>WD10PURX<br>WD05PURX |
| January 21, 2016 | SR1.3.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• New SATA Hard Drive: 3 model | HUH728080ALE600<br>HUH728060ALE600<br>ST8000VX0002 |
| Apr 13, 2016 | SR1.3.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• New SATA Hard Drive: 4 model<br>• VMS Compatibility list: 4 version | HUS726060ALE610<br>HUS726050ALE610<br>HUS726040ALE610<br>HUS726020ALE610 |
| July 1, 2016 | SR1.3.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• Update hard drive firmware: 3 model<br>• New SATA Hard Drive: 2 model | Update firmware:<br>HUH728080ALE600<br>HUH728060ALE600<br>MG04ACA600E<br>New Hard Drive:<br>HUS726060ALA640<br>WD4NPURX |
| Oct 11, 2016 | SR1.3.2 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>• Update hard drive firmware: 9 model<br>• New SATA Hard Drive: 5 model | Update firmware:<br>ST4000NM0033<br>ST3000NM0033<br>ST2000NM0033<br>ST1000NM0033<br>ST5000NM0024<br>HUS726060ALE610 |

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|---|---|---|---|
| | | | HUS726050ALE610<br>HUS726040ALE610<br>HUS726020ALE610<br>New Hard Drive:<br>ST6000NM0024<br>ST6000NM0115<br>MG05ACA800E<br>MG05ACA600E<br>ST10000VX0004 |
| Jun 1, 2017 | SR2.0 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● Update hard drive firmware: 5 models<br>● New SATA Hard Drive: 4 models | Update firmware:<br>HUS724040ALE640<br>HUS724030ALE640<br>HUS724020ALE640<br>MG05ACA800E<br>MG05ACA600E<br>New Hard Drive:<br>WD8002FRYZ<br>WD6002FRYZ<br>ST6000VX0023<br>ST4000VX007 |
| Jun 30, 2017 | SR2.0 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● New SATA Hard Drive: 3 models<br>● NAND Flash: 2 models | ST3000VX010<br>ST2000VX008<br>ST1000VX005 |
| Sep 12, 2017 | SR2.0 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● New SATA Hard Drive: 4 models | HUH721010ALE600<br>HUH721008ALE600<br>ST10000NM0016<br>ST8000NM0016 |
| Sep 25, 2017 | SR2.1 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● OS: 3 sets<br>● External Graphics Card: 1 model<br>● VMS Compatibility list: 1 version | |
| Sep 27, 2017 | SR2.1 | Modify the description of OS Compatibility. | |
| Dec 7,2017 | SR2.1 | Based on last released compatibility list with new added software and devices: (blue and orange-color highlights)<br>● VMS Compatibility list: 1 version | |
| July 20, 2018 | SR2.1 | Remove SATA Hard Drive: 2 models | Remove HDD:<br>HUH728080ALE600/<br>FW: A4GNT907<br>HUH728060ALE600/<br>FW: A4GNT907 |
| Aug 3, 2018 | SR2.1 | Remove SATA Hard Drive: 4 models | Remove HDD:<br>HUS726060ALE610/<br>FW: APGNT907<br>HUS726050ALE610/<br>FW: APGNT907 |

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|---|---|---|---|
| | | | HUS726040ALE610/ FW: APGNT907<br>HUS726020ALE610/ FW: APGNT907 |

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## 1. SATA Hard Drives

| Vendor | Family | Model | Capacity | Firmware | Buffer | Drive Transfer Rate | Form Factor | RPM |
|---|---|---|---|---|---|---|---|---|
| HGST | Ultrastar 7K4000 | HUS724040ALE640 | 4TB | MJAOA3B0<br>A580 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | HUS724030ALE640 | 3TB | MJAOA3B0<br>A580 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | HUS724020ALE640 | 2TB | MJAOA3B0<br>A580 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | HUS724040ALA640[*1] | 4TB | MFAOAA70 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | HUS724030ALA640[*1] | 3TB | MFAOAA70 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | HUS724020ALA640[*1] | 2TB | MFAOAA70 | 64MB | 6Gb/s | 3.5” | 7200 |
| | Ultrastar 7K6000 | HUS726060ALE610 | 6TB | APGNT7J0 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | HUS726050ALE610 | 5TB | APGNT7J0 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | HUS726040ALE610 | 4TB | APGNT7J0 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | HUS726020ALE610 | 2TB | APGNT7J0 | 128MB | 6Gb/s | 3.5” | 7200 |
| | Ultrastar 7K3000 | HUA723030ALA640 | 3TB | MKAOAA10 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | HUA723020ALA640 | 2TB | MK7OA5C0 | 64MB | 6Gb/s | 3.5” | 7200 |
| | MegaScale 4000 | HMS5C4040ALE640 | 4TB | MPAOA3W0 | 64MB | 6Gb/s | 3.5” | 5700 |
| | MegaScale DC 4000.B | HMS5C4040BLE640[*1] | 4TB | MPAOA5D0 | 64MB | 6Gb/s | 3.5” | 5700 |
| | Ultrastar A7K2000 | HUA722010CLA330[*1] | 1TB | JP4OA3EA | 32MB | 3Gb/s | 3.5” | 7200 |
| | Ultrastar He8 | HUH728080ALE600 | 8TB | A4GNT7J0 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | HUH728060ALE600 | 6TB | A4GNT7J0 | 128MB | 6Gb/s | 3.5” | 7200 |
| | Ultrastar He6 | HUS726060ALA640 | 6TB | AHGNT1EL | 64MB | 6Gb/s | 3.5” | 7200 |
| | Ultrastar He10 | HUH721010ALE600 | 10TB | LHGNT21D | 256MB | 6Gb/s | 3.5” | 7200 |
| | | HUH721008ALE600 | 8TB | LHGNT21D | 256MB | 6Gb/s | 3.5” | 7200 |
| Seagate | Constellation ES.3 | ST4000NM0033 | 4TB | SN04<br>SN06 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | ST3000NM0033 | 3TB | SN04<br>SN06 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | ST2000NM0033 | 2TB | SN04<br>SN06 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | ST1000NM0033 | 1TB | SN04<br>SN06 | 128MB | 6Gb/s | 3.5” | 7200 |
| | Constellation ES.2 | ST33000650NS | 3TB | 0001 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | ST32000645NS | 2TB | 0001 | 64MB | 6Gb/s | 3.5” | 7200 |
| | Constellation ES | ST2000NM0011 | 2TB | SN02 | 64MB | 6Gb/s | 3.5” | 7200 |

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|---|---|---|---|---|---|---|---|---|
| | | ST1000NM0011 | 1TB | SN02 | 64MB | 6Gb/s | 3.5” | 7200 |
| | Constellation CS | ST3000NC002 | 3TB | CN01 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | ST2000NC001 | 2TB | CN01 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | ST1000NC001 | 1TB | CN01 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | ST3000NC000 | 3TB | CE02 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | ST2000NC000 | 2TB | CE02 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | ST1000NC000 | 1TB | CE02 | 64MB | 6Gb/s | 3.5” | 7200 |
| | Terascale HDD | ST4000NC001*1 | 4TB | CN02 | 64MB | 6Gb/s | 3.5” | 5900 |
| | | ST4000NC000*1 | 4TB | CE02 | 64MB | 6Gb/s | 3.5” | 5900 |
| | Enterprise Capacity 3.5 HDD v4 | ST6000NM0024 | 6TB | SN05 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | ST5000NM0024*1 | 5TB | SN01 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | | | SN05 | | | | |
| | Enterprise Capacity 3.5 HDD v6 | ST10000NM0016 | 10TB | SND0 | 256MB | 6Gb/s | 3.5” | 7200 |
| | | ST8000NM0016 | 8TB | SND0 | 256MB | 6Gb/s | 3.5” | 7200 |
| | Enterprise Capacity 3.5 HDD | ST6000NM0115 | 6TB | SN02 | 256MB | 6Gb/s | 3.5” | 7200 |
| | Surveillance HDD | ST10000VX0004 | 10TB | AV01 | 256MB | 6Gb/s | 3.5” | 7200 |
| | | ST8000VX0002 | 8TB | AV01 | 256MB | 6Gb/s | 3.5” | 7200 |
| | | ST6000VX0001*1 | 6TB | VN01 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | ST5000VX0001*1 | 5TB | VN01 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | ST4000VX000*1 | 4TB | CV13 | 64MB | 6Gb/s | 3.5” | 5900 |
| | | ST3000VX002*1 | 3TB | CV13 | 64MB | 6Gb/s | 3.5” | 5900 |
| | SkyHawk | ST10000VX0004 | 10TB | AV01 | 256MB | 6Gb/s | 3.5” | 7200 |
| | | ST8000VX0022 | 8TB | AV01 | 256MB | 6Gb/s | 3.5” | 7200 |
| | | ST6000VX0023 | 6TB | SC60 | 256MB | 6Gb/s | 3.5” | 7200 |
| | | ST4000VX007 | 4TB | CV11 | 64MB | 6Gb/s | 3.5” | 5900 |
| | | ST3000VX010 | 3TB | CV11 | 64MB | 6Gb/s | 3.5” | 5900 |
| | | ST2000VX008 | 2TB | CV11 | 64MB | 6Gb/s | 3.5” | 5900 |
| | | ST1000VX005 | 1TB | CV11 | 64MB | 6Gb/s | 3.5” | 5900 |
| | Archive HDD v2 | ST8000AS0002*1 | 8TB | AR13 | 128MB | 6Gb/s | 3.5” | 5900 |
| | | ST6000AS0002*1 | 6TB | AR13 | 128MB | 6Gb/s | 3.5” | 5900 |
| TOSHIBA | MKx002TSKB | MK2002TSKB | 2TB | MT2A | 64MB | 3Gb/s | 3.5” | 7200 |
| | | MK1002TSKB | 1TB | MT2A | 64MB | 3Gb/s | 3.5” | 7200 |
| | MG03ACA | MG03ACA300 | 3TB | FL1A | 64MB | 6Gb/s | 3.5” | 7200 |
| | MG04ACAxxxE | MG04ACA600E*1 | 6TB | FS2B | 128MB | 6Gb/s | 3.5” | 7200 |
| | | | | FS3B | | | | |
| | | MG04ACA500E*1 | 5TB | FP3B | 128MB | 6Gb/s | 3.5” | 7200 |
| | | MG04ACA400E*1 | 4TB | FP3B | 128MB | 6Gb/s | 3.5” | 7200 |
| | | MG04ACA300E*1 | 3TB | FP3B | 128MB | 6Gb/s | 3.5” | 7200 |
| | | MG04ACA200E*1 | 2TB | FP3B | 128MB | 6Gb/s | 3.5” | 7200 |

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|---|---|---|---|---|---|---|---|---|
| | MG05ACAxxxE | MG05ACA800E | 8TB | GX0A<br>GX1A | 128MB | 6Gb/s | 3.5” | 7200 |
| | | MG05ACA600E | 6TB | GX0A<br>GX1A | 128MB | 6Gb/s | 3.5” | 7200 |
| | MC04ACAxxxE | MC04ACA500E*1 | 5TB | FP1A | 128MB | 6Gb/s | 3.5” | 7200 |
| | | MC04ACA400E*1 | 4TB | FP1A | 128MB | 6Gb/s | 3.5” | 7200 |
| | | MC04ACA300E*1 | 3TB | FP1A | 128MB | 6Gb/s | 3.5” | 7200 |
| | | MC04ACA200E*1 | 2TB | FP1A | 128MB | 6Gb/s | 3.5” | 7200 |
| | MD04ABAxxxV | MD04ABA500V*1 | 5TB | FP1T | 128MB | 6Gb/s | 3.5” | 5400 |
| | | MD04ABA400V*1 | 4TB | FP1T | 128MB | 6Gb/s | 3.5” | 5400 |
| Western Digital | WD RE | WD4000FYYZ | 4TB | 01.01K03*1 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD3000FYYZ | 3TB | 01.01K03 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD2000FYYZ | 2TB | 01.01K03 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD1003FBYZ*1 | 1TB | 01.01V03 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD5003ABYZ*1 | 500GB | 01.01S03 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD2503ABYZ*1 | 250GB | 01.01S03 | 64MB | 6Gb/s | 3.5” | 7200 |
| | WD SE | WD4000F9YZ*1 | 4TB | 01.01A02 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD3000F9YZ*1 | 3TB | 01.01A02 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD2000F9YZ*1 | 2TB | 01.01A02 | 64MB | 6Gb/s | 3.5” | 7200 |
| | | WD1002F9YZ*1 | 1TB | 01.01M02 | 128MB | 6Gb/s | 3.5” | 7200 |
| | WD Gold Datacenter | WD8002FRYZ | 8TB | 01.01H01 | 128MB | 6Gb/s | 3.5” | 7200 |
| | | WD6002FRYZ | 6TB | 01.01M02 | 128MB | 6Gb/s | 3.5” | 7200 |
| | WD Purple | WD60PURX*1 | 6TB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |
| | | WD50PURX*1 | 5TB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |
| | | WD40PURX*1 | 4TB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |
| | | WD30PURX*1 | 3TB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |
| | | WD20PURX*1 | 2TB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |
| | | WD10PURX*1 | 1TB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |
| | | WD05PURX*1 | 500GB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |
| | WD Purple NX | WD4NPURX | 4TB | 80.00A80 | 64MB | 6Gb/s | 3.5” | 5400 |

- In a RAID array setup, we recommend using the enterprise level hard drive as it has much better command timeout control and features stable reliability to vibration compared to desktop one for critical applications.
- Some listed devices may go EOL. AVL listing does not imply market availability.
- **BLUE Models are new additions actual in test to this release.**
- **ORANGE Capacities are assumed to work but were not tested.**
- When you use SATA 6Gb/s drive in this disk array system, the drive runs at 3Gb/s speed.

*1 Models that currently verified ok only with Microsoft Windows Operating System.

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## 2. Compatible USB Flash Drives

| Vendor | Model | Capacity |
|---|---|---|
| Kingstons | DT Ultimate G2 USB3.0 Flash Drive | 64GB |
| SanDisk | SDCZ80-032G Extreme USB3.0 Flash Drive | 32GB |
| Kingstons | Data Traveler R30 USB3.0 Flash Drive | 32GB |
| Patriot | Supersonic Rage XT USB 3.0Flash Drive | 32GB |
| ADATA | C103 USB3.0 Flash Drive | 16GB |
| SONY | Micro Vault USB3.0 Flash Drive | 16GB |
| TDK | LoR TF30 USB3.0 Flash Drive | 16GB |
| TOSHIBA | Suzaku USB3.0 Flash Drive | 16GB |
| BUFFALO | RUF2-K8GR USB 2.0 Flash Drive*1 | 8GB |
| TOSHIBA | TransMemory USB 2.0 Flash Drive*1 | 8GB |
| SanDisk | Cruzer Contour SDCZ6-016G USB2.0 Flash Drive*1 | 16GB |
| PQI | i812 USB 2.0 Flash Drive*1 | 16GB |
| Silicon Power | Ultima U03 USB 2.0 Flash Drive*1 | 16GB |
| SONY | Micro Vault Shelter USB 2.0 Flash Drive*1 | 16GB |
| TDK | TF20 USB 2.0 Flash Drive*1 | 32GB |

*1 In specific cases like applying USB 2.0 flash drive onto the front panel USB ports to copy large file data or install OS, the device may downgrade to USB 1.1 speed. Please use rear USB ports instead.

## 3. Host Bus Adapter

| Vendor | Model | BIOS/FW | Win Drv. | PCI Interface |
|---|---|---|---|---|
| Promise | SuperTrak EX8768*1 | 5.00.0000.46 | 4.06.0000.45 | PCIe 2.0 x8 |
| Promise | SuperTrak EX8658*1 | 3.00.0000.95 | 5.01.0000.04 | PCIe 1.0 x8 |
| LSI | MegaRAID SAS 9285-8e | 5.38.00 | 6.703.3.0 | PCIe 2.0 x8 |
| LSI | MegaRAID SAS 9280-8e | 3.21.00 | 6.703.3.0 | PCIe 2.0 x8 |

↳ Tested with Vess J2000 series expansion chassis

*1 Do not install SuperTrak's management software WebPAM and CLI in the Vess A2000 series as it creates conflict to the embedded management software WebPAM ProE. Please use BIOS utility to configure the card's RAID setting.

## 4. External Graphics Card

| Vendor | Model | VBIOS/Win. Driver | Compatible |
|---|---|---|---|
| PowerColor | TurboDuo RADEON R9 270 | 015.044.000.001.000000/14.100.0.0 | A2600 Series *1 |
| ASUS | HD7770 | 015.018.000.000.000780/14.100.0.0 | A2600 Series *1 |
| EVGA | GEFORCE GTX 750Ti | 82.07.32.00.50/9.18.13.3788 | A2600 Series *1 |
| ASUS | HD6570 | 013.011.000.014-000000/14.100.0.0 | A2200 Series |
| Matrox | M9148LP | 1.7/2.4.3.2 | A2000 Series |
| Sapphire | AMD FirePro 2270 | 012.020.000.062.000863/13.352.1009.0 | A2000 Series |
| Sparkle | nVidia GeForce GT730 | 80.28.78.0.12/9.18.13.3750 | A2200 Series*2 |
| Sparkle | NVIDIA GeForce GTX 750 Ti | 82.7.32.0.50 /22.21.13.8476 | A2600 Series *1 |

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*1Must use the A2600 riser board revision B1.
*2Assumed to work but was not tested.

## 5. DVR Add-in Card

| Vendor | Model | Win. Driver | Compatible |
|---|---|---|---|
| Stretch | VRC7016L | 7.11.1.21938 | A2000 Series |

## 6. Operating Systems

| Vendor | Core Platform | Type | Available Models |
|---|---|---|---|
| Microsoft | Windows Embedded Standard 7 Service Pack 1 | x64 | A2200 / A2600 Series |
| | Windows 7 Home Premium Service Pack 1 | x64 | A2200 / A2600 Series |
| | Windows 7 Ultimate Service Pack 1 | x64 | A2200 / A2600 Series |
| | Windows Server 2008 R2 Standard Service Pack 1 | x64 | A2200 / A2600 Series |
| | Windows Server 2008 R2 DataCenter Service Pack 1 | x64 | A2200 / A2600 Series |
| | Windows Storage Server 2008 R2 Enterprise Service Pack 1 | x64 | A2200 / A2600 Series |
| | Windows Server 2012 Standard | X64 | A2200 / A2600 Series |
| | Windows Server 2012 R2 Standard | x64 | A2200 / A2600 Series |
| | Windows Server 2012 R2 DataCenter | x64 | A2200 / A2600 Series |
| | Windows Storage Server 2012 R2 Standard | x64 | A2200 / A2600 Series |
| | Windows 10 IoT Enterprise | x64 | A2200 / A2600 Series |
| | Windows 10 Enterprise | x64 | A2200 / A2600 Series |
| | Windows Server 2016 Standard | x64 | A2200 / A2600 Series*1 |

*1 Windows Server 2016 only supports for E3 CPU, not support for i3 CPU.

## 7. Vess A2000 WebPAM PROe Plug-in for Milestone Xprotect

| OS/Supported Plug-in | | WebPAM PROe | Event Notification | Recording LED |
|---|---|---|---|---|
| Milestone Xprotect Corporate 2013 R2 | 32bit | V | V | V |
| | 64bit | V | V | V |
| Milestone Xprotect Expert 2013 R2 | 32bit | V | V | V |
| | 64bit | V | V | V |
| Milestone Xprotect Enterprise 2013 | 64bit | V | V | - |
| Milestone Xprotect Professional 2013 | 64bit | V | V | - |
| Milestone Xprotect Express 2013 | 64bit | V | V | - |

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## 8. Vess A2000 VMS Compatibility List

| Vendor | VMS Version |
|---|---|
| Axxonsoft | Axxon Next 3.5.0.819 |
| CSVision | NVS 6.0 |
| Genetec | Security Center 5.2 |
| Milestone | Xprotect Corporate 5.0C |
| | Xprotect Corporate 2013 R2 |
| | Xprotect Corporate 2014 |
| | Xprotect Corporate 2016 |
| | Xprotect Corporate 2016 |
| | Xprotect Corporate 2017 R2 |
| | Xprotect Enterprise 2013 |
| | Xprotect Enterprise 2014 |
| | Xprotect Enterprise 2016 |
| | Xprotect Professional 2013 |
| | Xprotect Professional 2014 |
| | Xprotect Professional 2016 |
| | Xprotect Professional 2017 R2 |
| OnSSI | Ocularis ES3.6 |
| | Ocularis CS4.0 |
| | Ocularis IS4.0 |
| Samsung | SSM v1.3 |
| SeeTec | SeeTec Cayuga R3 |
| SONY | RSM Advanced 1.6.3 |
| Video Insight | Video Insight v5.5.26.4 |

## 9. NAND Flash Compatibility List

| Vendor | Models | Type | Size |
|---|---|---|---|
| Transcend | TS64GMSA370 | mSATA | 64GB |
| InnoDisk | 3ME4 | mSATA | 64GB |

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