

Sans Digital Enterprise Hard Drives List

Enterprise / RAID Edition Hard Drives VS Desktop / Green Hard Drives

Sans Digital recommends the use of enterprise hard drives when in use with any RAID controller applications. Standard desktop or green desktop drive may not be supported and may compromise RAID system stability and performance. For more information on the difference between RAID and desktop hard drives, please see the Western Digital knowledge base [here](#). For a list of compatible RAID Edition / Enterprise SATA hard drives, please refer to the list below:

- * SATA Hard Drives support only all models.
- * Some of the Sans Digital 3.5" models support 2.5" with additional screws holes. Please contact info@sansdigital.com for support details.
- * Sans Digital 2.5" models support 2.5" hard drives only.
- * Selected Sans Digital models support Power Disable Feature of newer hard drives. For model that does not supported this features, the hard drives will not power on. If you do not know if this is supported or not, we recommend select drives without this features. Please contact tech@sansdigital.com to confirm if your model supported.

Note: Hard Drives that are designed with 4K advance format may not support by certain models or required firmware update. Please contact tech@sansdigital.com for support details.

3.5" SATA Hard Drive

| Brand | Series | Size | Model Number | RPM | Transfer Rate |
|-----------------|---------------------|------|--------------------------|------|---------------|
| HGST | UltraStar | 10TB | 0F27452 | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 10TB | ST10000NM0086 | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 10TB | ST10000NM0016 | 7200 | 6Gb/s |
| WD | GOLD Datacenter | 10TB | WD101KRYZ | 7200 | 6Gb/s |
| HGST | UltraStar | 8TB | 0F23668 | 7200 | 6Gb/s |
| HGST | UltraStar | 8TB | 0F23267 | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 8TB | ST8000NM0045 (4K HDD) | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 8TB | ST8000NM0055 | 7200 | 6Gb/s |
| WD | GOLD Datacenter | 8TB | WD8002FRYZ | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 8TB | 0F18335 | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 6TB | ST6000NM0004 (4K HDD) | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 6TB | ST6000NM0024 | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 6TB | ST6000NM0034 | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 6TB | ST6000NM0095 | 7200 | 6Gb/s |
| WD | GOLD Datacenter | 6TB | WD6002FRYZ | 7200 | 6Gb/s |
| Seagate | Enterprise Capacity | 6TB | ST5000NM0024 | 7200 | 6Gb/s |
| Hitachi | Ultrastar | 5TB | 0F14683 | 7200 | 6Gb/s |
| Seagate | Constellation ES.3 | 4TB | ST4000NM0033 | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 4TB | MG03ACA400 | 7200 | 6Gb/s |
| Western Digital | SE | 4TB | WD4000F9YZ | 7200 | 6Gb/s |
| Western Digital | RE | 4TB | WD4000FYYZ | 7200 | 6Gb/s |
| HGST | Ultrastar | 4TB | 0F12456 | 7200 | 6Gb/s |
| Seagate | Constellation ES.3 | 3TB | ST3000NM0033 | 7200 | 6Gb/s |
| Seagate | Constellation ES.2 | 3TB | ST33000650NS | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 3TB | MG03ACA300 | 7200 | 6Gb/s |

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|-----------------|--------------------|-------|--------------|------|-------|
| Western Digital | SE | 3TB | WD3000F9YZ | 7200 | 6Gb/s |
| Western Digital | RE | 3TB | WD3000FYYZ | 7200 | 6Gb/s |
| HGST | Ultrastar | 3TB | 0F12455 | 7200 | 6Gb/s |
| HGST | Ultrastar | 2TB | 0F10452 | 7200 | 6Gb/s |
| Seagate | Constellation ES.3 | 2TB | ST2000NM0033 | 7200 | 3Gb/s |
| Seagate | Constellation ES.2 | 2TB | ST2000NM0011 | 7200 | 6Gb/s |
| Seagate | Constellation ES | 2TB | ST32000644NS | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 2TB | MG03ACA200 | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 2TB | MK2002TSKB | 7200 | 6Gb/s |
| Western Digital | SE | 2TB | WD2000F9YZ | 7200 | 3Gb/s |
| Western Digital | RE | 2TB | WD2000FYYZ | 7200 | 6Gb/s |
| Western Digital | RE4 | 2TB | WD2003FYYS | 7200 | 6Gb/s |
| HGST | Ultrastar | 2TB | 0A39289 | 7200 | 6Gb/s |
| Seagate | Constellation ES | 1TB | ST31000524NS | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 1TB | MG030ACA100 | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 1TB | MK2002TSKB | 7200 | 6Gb/s |
| Western Digital | RE4 | 1TB | WD1003FBYX | 7200 | 3Gb/s |
| Western Digital | RE3 | 1TB | WD1002FBYS | 7200 | 6Gb/s |
| Seagate | Barracuda ES | 1TB | ST3750330NS | 7200 | 3Gb/s |
| Hitachi | Ultrastar | 750GB | 0F11000 | 7200 | 3Gb/s |

2.5" SATA Hard Drive

| Brand | Series | Size | Model Number | RPM | Transfer Rate |
|---------|-----------------|-------|--------------|------|---------------|
| Seagate | Constellation.2 | 1TB | ST91000640NS | 7200 | 6Gb/s |
| Seagate | Constellation.2 | 500GB | ST9500620NS | 7200 | 6Gb/s |

2.5" SATA SSD*

| Brand | Series | Size | Model Number | Transfer Rate |
|---------|--------------------|-------|--------------------|---------------|
| OCZ | Talos 2 | 240GB | TL2CSAK2G2M1X-0240 | 6Gb/s |
| SanDisk | CloudSpeed Eco | 240GB | SDLFNDAR-240G-1HA1 | 6Gb/s |
| SanDisk | CloudSpeed Ascend | 120GB | SDLFOEAT-120G-1HA1 | 6Gb/s |
| SanDisk | CloudSpeed Ultra | 100GB | SDLFOEAM-100G-1HA1 | 6Gb/s |
| SanDisk | CloudSpeed Extreme | 100GB | SDLFOEAW-100G-1HA1 | 6Gb/s |
| Intel | SC3500 Series | | | 6Gb/s |
| Intel | SC3700 Series | | | 6Gb/s |

* Please select your SSD also base on reliability and endurance. If using SSD in RAID application, DWPD is a very important decision factor for reliability of the RAID volume.

SAS Hard Drives

All SAS Hard Drives are qualify as RAID application*. Below is the list of compatible SAS hard drives:

- * SAS Hard Drives only accept on models support SAS Hard Drives. Please refer to product specification for details.
- * Some of the Sans Digital 3.5" models support 2.5" with additional screws holes. Please contact info@sansdigital.com for support details.
- * Sans Digital 2.5" models support 2.5" hard drives only.
- * 12G SAS drives build-in power disable feature build-in to the hard drives. Selected model of 6G enclosure support this but some do not. When it is not supported, the drives will not power on. Please contact tech@sansdigital.com to confirm if your model supported.

3.5" SAS Hard Drive

| Brand | Series | Size | Model Number | RPM | Transfer Rate |
|-----------------|-------------------------|-------|---------------|------|---------------|
| HGST | UltraSTAR | 10TB | 0F27402* | 7200 | 12Gb/s |
| HGST | UltraSTAR | 10TB | 0F27354 | 7200 | 12Gb/s |
| HGST | UltraSTAR | 10TB | 0F27404* | 7200 | 12Gb/s |
| Seagate | Enterprise Capacity 3.5 | 10TB | ST10000NM0096 | 7200 | 12Gb/s |
| HGST | UltraSTAR | 8TB | 0F23268 | 7200 | 12Gb/s |
| HGST | UltraSTAR | 8TB | 0F23657 | 7200 | 12Gb/s |
| Seagate | Enterprise Capacity 3.5 | 8TB | ST8000NM0075 | 7200 | 12Gb/s |
| Seagate | Enterprise Capacity 3.5 | 6TB | ST6000NM0095 | 7200 | 12Gb/s |
| Seagate | Enterprise Capacity 3.5 | 6TB | ST6000NM0014 | 7200 | 12Gb/s |
| Seagate | Enterprise Capacity 3.5 | 6TB | ST6000NM0034 | 7200 | 12Gb/s |
| Seagate | Enterprise Capacity 3.5 | 5TB | ST5000NM0034 | 7200 | 12Gb/s |
| Seagate | Constellation ES.3 | 4TB | ST4000NM0023 | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 4TB | MG03SCA400 | 7200 | 6Gb/s |
| Western Digital | RE | 4TB | WD4001FYYG | 7200 | 6Gb/s |
| Seagate | Constellation ES.3 | 3TB | ST3000NM0023 | 7200 | 6Gb/s |
| Seagate | Constellation ES.2 | 3TB | ST33000650SS | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 3TB | MG03SCA300 | 7200 | 6Gb/s |
| Western Digital | RE | 3TB | WD3001FYYG | 7200 | 6Gb/s |
| Seagate | Constellation ES.3 | 2TB | ST2000NM0023 | 7200 | 6Gb/s |
| Seagate | Constellation ES | 2TB | ST32000444SS | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 2TB | MG03SCA200 | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 2TB | MK2001TRKB | 7200 | 6Gb/s |
| Western Digital | RE | 2TB | WD2001FYYG | 7200 | 6Gb/s |
| Seagate | Constellation ES.3 | 1TB | ST1000NM0023 | 7200 | 6Gb/s |
| Seagate | Constellation ES | 1TB | ST31000424SS | 7200 | 6Gb/s |
| Toshiba | Enterprise HDD | 1TB | MG03SCA100 | 7200 | 6Gb/s |
| Toshiba | Enterprise Class | 1TB | MK1001TRKB | 7200 | 6Gb/s |
| Western Digital | RE | 1TB | WD1001FYYG | 7200 | 6Gb/s |
| Seagate | Constellation ES | 500GB | ST500NM0001 | 7200 | 6Gb/s |
| Seagate | Cheetah 15K.7 | 600GB | ST3600057SS | 15K | 6Gb/s |
| Seagate | Cheetah 15K.7 | 300GB | ST3300657SS | 15K | 6Gb/s |

2.5" SAS Hard Drive

| Brand | Series | Size | Model Number | RPM | Transfer Rate |
|-------------|------------------------|-------|--------------|------|---------------|
| Hitachi | UltraSTAR | 600GB | 0B28953 | 15K | 12Gb/s |
| Seagate | Enterprise Performance | 600GB | ST600MP005 | 15K | 12Gb/s |
| | | | | | |
| Seagate | Enterprise Performance | 600GB | ST600MM0008 | 10K | 12Gb/s |
| Seagate | Enterprise Performance | 600GB | ST600MM0118 | 10K | 12Gb/s |
| Seagate | Enterprise Performance | 900GB | ST900MM0128 | 10K | 12Gb/s |
| Seagate | Enterprise Performance | 1.2TB | ST1200MM0018 | 10K | 12Gb/s |
| Seagate | Enterprise Performance | 1.8TB | ST1800MM0008 | 10K | 12Gb/s |
| Seagate | Enterprise Performance | 1.8TB | ST1800MM0018 | 10K | 12Gb/s |
| Seagate | Enterprise Performance | 1.8TB | ST1800MM0088 | 10K | 12Gb/s |
| Seagate | Enterprise Performance | 1.8TB | ST1800MM0128 | 10K | 12Gb/s |
| Seagate | Savvio 10K.6 | 900G | ST9900805SS | 10K | 6Gb/s |
| Toshiba 10K | Enterprise Class | 600GB | MBF2600RC | 10K | 6Gb/s |
| Toshiba 10K | Enterprise Class | 600GB | MBF260LRC | 10K | 6Gb/s |
| Toshiba 10K | Enterprise Class | 300GB | MBF2300RC | 10K | 6Gb/s |
| Toshiba 10K | Enterprise Class | 300GB | MBF230LRC | 10K | 6Gb/s |
| | | | | | |
| Seagate | Constellation.2 | 1TB | ST91000640SS | 7200 | 6Gb/s |
| Seagate | Constellation.2 | 500GB | ST9500620SS | 7200 | 6Gb/s |

2.5" SAS SSD*

| Brand | Series | Size | Model Number | Transfer Rate |
|---------|------------------------|-------|-------------------|---------------|
| HGST | UltraSTAR Series | | | 12Gb/s |
| | | | | |
| SanDisk | Optimus Max Series | | | 6Gb/s |
| SanDisk | Optimus Eco Series | | | 6Gb/s |
| SanDisk | Optimus Ascend Series | | | 6Gb/s |
| SanDisk | Optimus Ultra Series | | | 6Gb/s |
| SanDisk | Optimus Extreme Series | | | 6Gb/s |
| OCZ | Deneva 2 | 240GB | D2CSTK251M21-0240 | 6Gb/s |

* Please select your SSD also base on reliability and endurance. If using SSD in RAID application, DWPD is a very important decision factor for reliability of the RAID volume.