

Gigabyte QVL Report

SATA HDD

| Brand | Model | Speed | Size | Result |
|---------|-------------------|----------------|-------|--------|
| HGST | HTS541010A9E680 | SATAIII 6 Gb/s | 1TB | PASS |
| HGST | HTS721010A9E630 | SATAIII 6 Gb/s | 1TB | PASS |
| Hitachi | HUA722010CLA330 | SATAIII 6 Gb/s | 1TB | PASS |
| Seagate | ST8000AS0002 | SATAIII 6 Gb/s | 8TB | PASS |
| Seagate | ST1000LM014 | SATAIII 6 Gb/s | 1TB | PASS |
| Seagate | ST500LM000 | SATAIII 6 Gb/s | 500GB | PASS |
| Seagate | ST500LM021 | SATAIII 6 Gb/s | 500GB | PASS |
| Seagate | ST500VT000 | SATAIII 6 Gb/s | 500GB | PASS |
| TOSHIBA | DT01ACA300 | SATAIII 6 Gb/s | 3TB | PASS |
| TOSHIBA | MD04ACA500 | SATAIII 6 Gb/s | 5TB | PASS |
| Toshiba | MQ01ABD100 | SATAIII 6 Gb/s | 1TB | PASS |
| TOSHIBA | MQ02ABD100H | SATAIII 6 Gb/s | 1TB | PASS |
| Toshiba | MQ03ABB200 | SATAIII 6 Gb/s | 2TB | PASS |
| WD | WD1003FZEX | SATAIII 6 Gb/s | 1TB | PASS |
| WD | WD10EZEX | SATAIII 6 Gb/s | 1TB | PASS |
| WD | WD10J31X | SATAIII 6 Gb/s | 1TB | PASS |
| WD | WD10JFCX(NAS HDD) | SATAIII 6 Gb/s | 1TB | PASS |
| WD | WD10JFCX(NAS HDD) | SATAIII 6 Gb/s | 1TB | PASS |
| WD | WD10JPLX | SATAIII 6 Gb/s | 1TB | PASS |
| WD | WD10JPVX | SATAIII 6 Gb/s | 1TB | PASS |
| WD | WD20EZRX | SATAIII 6 Gb/s | 2TB | PASS |
| WD | WD5000LPVX | SATAIII 6 Gb/s | 500GB | PASS |
| WD | WD6001FZWX | SATAIII 6 Gb/s | 6TB | PASS |

Memory

| Brand | Model | Speed | Size | Result |
|----------|-----------------------------|--------------------|------|--------|
| CRUCIAL | CT8G4DFD8213.16FA1 8GB | PC4-17000(2133MHz) | 8GB | PASS |
| CRUCIAL | CT32G4DFD8266.16FB1 | PC4-21300(2666MHz) | 32GB | PASS |
| CRUCIAL | CT16G4DFD832A.M16FJ | PC4-25600(3200MHz) | 16GB | PASS |
| CRUCIAL | CT8G4DFS832A.C8FJ | PC4-25600(3200MHz) | 8GB | PASS |
| Innodisk | M4C0-8GS1LCEM-D33 | PC4-25600(3200MHz) | 8GB | PASS |
| Innodisk | M4C0-BGS2MCEM-D33 | PC4-25600(3200MHz) | 32GB | PASS |
| Kingston | KVR24N17D8/16 | PC4-19200(2400MHz) | 16GB | PASS |
| Kingston | KSM32ED8/16ME | PC4-25600(3200MHz) | 16GB | PASS |
| Kingston | KSM32ES8/8ME | PC4-25600(3200MHz) | 8GB | PASS |
| SAMSUNG | M391A2K43BB1-CPB | PC4-17000(2133MHz) | 16GB | PASS |
| SAMSUNG | M378A4G43AB2-CWE | PC4-25600(3200MHz) | 32GB | PASS |
| SKhynix | HMA82GU7AFR8N-UH | PC4-19200(2400MHz) | 16GB | PASS |
| SKhynix | HMA82GU7CJR8N-VK TO AC 1801 | PC4-21300(2666MHz) | 16GB | PASS |
| SKhynix | HMA81GU6DJR8N-XN | PC4-25600(3200MHz) | 8GB | PASS |
| SKhynix | HMA82GU6DJR8N-XN | PC4-25600(3200MHz) | 16GB | PASS |

CPU

| Brand | Model | Frequency | Cache | Result |
|-------|--------------------|-----------|-------|--------|
| AMD | Ryzen 7 4700GE | 3.1Ghz | 8MB | PASS |
| AMD | Ryzen 7 PRO 4750GE | 3.1Ghz | 8MB | PASS |
| AMD | Ryzen 9 PRO 3900 | 3.1Ghz | 64MB | PASS |
| AMD | Ryzen 5 PRO 4650GE | 3.3GHZ | 8MB | PASS |

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|-----|--------------------|--------|------|------|
| AMD | Ryzen 9 5950X | 3.4GHZ | 64MB | PASS |
| AMD | Ryzen 3 PRO 4350GE | 3.5GHZ | 4MB | PASS |
| AMD | Ryzen 9 3950X | 3.5Ghz | 64MB | PASS |
| AMD | Ryzen 3 3100 | 3.6Ghz | 16MB | PASS |
| AMD | Ryzen 5 3500 | 3.6Ghz | 16MB | PASS |
| AMD | Ryzen 5 3500X | 3.6Ghz | 32MB | PASS |
| AMD | Ryzen 5 3600 | 3.6GHZ | 32MB | PASS |
| AMD | Ryzen 5 PRO 3600 | 3.6Ghz | 32MB | PASS |
| AMD | Ryzen 7 3700X | 3.6Ghz | 32MB | PASS |
| AMD | Ryzen 7 4700G | 3.6Ghz | 8MB | PASS |
| AMD | Ryzen 7 PRO 3700 | 3.6Ghz | 32MB | PASS |
| AMD | Ryzen 7 PRO 4750G | 3.6GHZ | 8MB | PASS |
| AMD | Ryzen 5 4600G | 3.7GHZ | 8MB | PASS |
| AMD | Ryzen 5 PRO 4650G | 3.7GHZ | 8MB | PASS |
| AMD | Ryzen 7 5600X | 3.7GHZ | 32MB | PASS |
| AMD | Ryzen 9 5900X | 3.7GHZ | 64MB | PASS |
| AMD | Ryzen 3 3300X | 3.8Ghz | 16MB | PASS |
| AMD | Ryzen 3 PRO 4350G | 3.8GHZ | 4MB | PASS |
| AMD | Ryzen 5 3600X | 3.8GHZ | 32MB | PASS |
| AMD | Ryzen 5 3600XT | 3.8GHZ | 32MB | PASS |
| AMD | Ryzen 7 5700G | 3.8GHZ | 16MB | PASS |
| AMD | Ryzen 7 5800X | 3.8GHZ | 32MB | PASS |
| AMD | Ryzen 7 PRO 5750G | 3.8GHZ | 16MB | PASS |
| AMD | Ryzen 9 3900X | 3.8Ghz | 64MB | PASS |
| AMD | Ryzen 9 3900XT | 3.8GHZ | 64MB | PASS |
| AMD | Ryzen 5 5600G | 3.9GHZ | 16MB | PASS |
| AMD | Ryzen 5 5650G | 3.9GHZ | 16MB | PASS |
| AMD | Ryzen 7 3800X | 3.9GHZ | 32MB | PASS |
| AMD | Ryzen 7 3800XT | 3.9GHZ | 32MB | PASS |
| AMD | Ryzen 3 5300G | 4.0GHZ | 8MB | PASS |

CPU Fan-sink

| Brand | Model | Socket Type | Size | Reult |
|--------------|-----------------------|-------------|--------------|-------|
| Thermalright | Assasin King 120 PLUS | AM4 | 120x46x154mm | PASS |

Note: Recommend to install above CPU Fan-sink to reach better user experience if 5950X/5900X/5800X is selected by user.

M.2 SSD

| Brand | Model | Interface Speed | Capacity | Reult |
|----------|-------------------------|-----------------|-----------|-------|
| ADATA | IM2S3138E-256GB | SATAIII 6 Gb/s | 256GB | PASS |
| ANACOMDA | 巨蟒 i1 240GB | PCIe Gen 3.0 X4 | 240GB | PASS |
| Apacer | APM2T80P201128GAN-GPTM | SATAIII 6 Gb/s | 128GB | PASS |
| Crucial | CT525MX300SSD4 | SATAIII 6 Gb/s | 525GB | PASS |
| GIGABYTE | GP-GM301TB-G | | 1TB | PASS |
| GIGABYTE | GP-GM30512G-G | | 512GB | PASS |
| GIGABYTE | AORUS RGB | PCIe Gen 3.0 X4 | 512GB | PASS |
| GIGABYTE | AORUS GP-ASM2NE6100TTTD | PCIe Gen 4.0 X4 | 1TB | PASS |
| Innodisk | DEM28-01TDD1GCAQF-D33 | PCIe Gen 3.0 X4 | 1TB | PASS |
| Innodisk | DEM28-01TDK1GCAQL-D33 | SATAIII 6 Gb/s | 1TB | PASS |
| Intel | 760P 256GB SMI SM2262 | PCIe Gen 3.0 X4 | 256GB | PASS |
| Intel | HBRPEKNX0202A | PCIe Gen 3.0 X4 | 32B+512GB | PASS |
| Intel | MEMPEI1J016GA | PCIe Gen 3.0 X4 | 16GB | PASS |
| Intel | MEMPEK1J032GA | PCIe Gen 3.0 X4 | 32GB | PASS |

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|-----------|-------------------------|-----------------|-----------|------|
| Intel | SSDSCKHW360A4 | SATAIII 6 Gb/s | 360GB | PASS |
| Intel | SSDSCKJF240A5 | SATAIII 6 Gb/s | 240GB | PASS |
| Intel | SSDSCKKW256G8 | SATAIII 6 Gb/s | 256GB | PASS |
| Kingston | SKC1000/240G (NVMe) | PCIe Gen3.0 x 4 | 240GB | PASS |
| Kingston | SM2280S3G2/240G | SATAIII 6 Gb/s | 240GB | PASS |
| Micron | P1 500GB SMI SM2263ENG | PCIe Gen 3.0 X4 | 500GB | PASS |
| Micron | MX500 | SATAIII 6 Gb/s | 500GB | PASS |
| Patriot | PH240GPM280SSDR | PCIe Gen 3.0 X4 | 240GB | PASS |
| Patriot | PI240GSM280SSDR | SATAIII 6 Gb/s | 240GB | PASS |
| PHISON | ESR01TBTLCG-EAC4MN | PCIe Gen 3.0 X4 | 1TB | PASS |
| PHISON | ESR256GTXLCG-EAC4MN | PCIe Gen 3.0 X4 | 256GB | PASS |
| PHISON | ESR512GTXLCG-E3C4MN | PCIe Gen 3.0 X4 | 512GB | PASS |
| PHISON | ESO1K0GTXLCG-E6C4MN | PCIe Gen 4.0 X4 | 1TB | PASS |
| PHISON | ESR1K0GMFCM-E8C4MN | PCIe Gen 4.0 X4 | 1TB | PASS |
| Phison | SSMP256GTXMC2-S11 | SATAIII 6 Gb/s | 256GB | PASS |
| Plextor | PX-G128M6e | PCIe Gen2.0 x2 | 128GB | PASS |
| Plextor | PX-256M7GV | SATAIII 6 Gb/s | 256GB | PASS |
| SAMSUNG | 970 EVO | PCIe Gen 3.0 X4 | 250GB | PASS |
| Samsung | MZVKW512HMJP (NVMe) | PCIe Gen 3.0 x4 | 512GB | PASS |
| SAMSUNG | MZVL2250HCHQ | PCIe Gen 4.0 X4 | 250GB | PASS |
| SAMSUNG | 860 EVO | SATAIII 6 Gb/s | 250GB | PASS |
| SanDisk | X300s SD7SN3Q-256G | SATAIII 6 Gb/s | 256GB | PASS |
| SanDisk | Z400s SD8SNAT-128G | SATAIII 6 Gb/s | 128GB | PASS |
| Toshiba | XG5 TC58NCP090GSD | PCIe Gen 3.0 X4 | 512GB | PASS |
| Transcend | TS256GMTS800 | SATAIII 6 Gb/s | 256GB | PASS |
| Transcend | TS512GMTS800 | SATAIII 6 Gb/s | 512GB | PASS |
| WD | WDS100T1X0E | PCIe Gen 4.0 X4 | 1TB | PASS |
| WD | WDS500G1X0E | PCIe Gen 4.0 X4 | 500GB | PASS |
| WD | WDS120G1G0B-00RC30 | SATAIII 6 Gb/s | 120GB | PASS |
| WD | WDS500G1B0B | SATAIII 6 Gb/s | 500GB | PASS |
| ADATA | IM2S3138E-256GB | SATAIII 6 Gb/s | 256GB | PASS |
| ANACOMDA | 巨蟒 i1 240GB | PCIe Gen 3.0 X4 | 240GB | PASS |
| Apacer | APM2T80P201128GAN-GPTM | SATAIII 6 Gb/s | 128GB | PASS |
| Crucial | CT525MX300SSD4 | SATAIII 6 Gb/s | 525GB | PASS |
| GIGABYTE | GP-GM301TB-G | | 1TB | PASS |
| GIGABYTE | GP-GM30512G-G | | 512GB | PASS |
| GIGABYTE | AORUS RGB | PCIe Gen 3.0 X4 | 512GB | PASS |
| GIGABYTE | AORUS GP-ASM2NE6100TTTD | PCIe Gen 4.0 X4 | 1TB | PASS |
| Innodisk | DEM28-01TDD1GCAQF-D33 | PCIe Gen 3.0 X4 | 1TB | PASS |
| Innodisk | DEM28-01TDK1GCAQL-D33 | SATAIII 6 Gb/s | 1TB | PASS |
| Intel | 760P 256GB SMI SM2262 | PCIe Gen 3.0 X4 | 256GB | PASS |
| Intel | HBRPEKNX0202A | PCIe Gen 3.0 X4 | 32B+512GB | PASS |
| Intel | MEMPEI1J016GA | PCIe Gen 3.0 X4 | 16GB | PASS |
| Intel | MEMPEK1J032GA | PCIe Gen 3.0 X4 | 32GB | PASS |
| Intel | SSDSCKHW360A4 | SATAIII 6 Gb/s | 360GB | PASS |
| Intel | SSDSCKJF240A5 | SATAIII 6 Gb/s | 240GB | PASS |
| Intel | SSDSCKKW256G8 | SATAIII 6 Gb/s | 256GB | PASS |
| Kingston | SKC1000/240G (NVMe) | PCIe Gen3.0 x 4 | 240GB | PASS |
| Kingston | SM2280S3G2/240G | SATAIII 6 Gb/s | 240GB | PASS |
| Micron | P1 500GB SMI SM2263ENG | PCIe Gen 3.0 X4 | 500GB | PASS |

| Micron | MX500 | SATAIII 6 Gb/s | 500GB | PASS |
|-----------|------------------------|-----------------|-------------|--------|
| Patriot | PH240GPM280SSDR | PCIe Gen 3.0 X4 | 240GB | PASS |
| Patriot | PI240GSM280SSDR | SATAIII 6 Gb/s | 240GB | PASS |
| PHISON | ESR01TBTLCG-EAC4MN | PCIe Gen 3.0 X4 | 1TB | PASS |
| PHISON | ESR256GTXLG-EAC4MN | PCIe Gen 3.0 X4 | 256GB | PASS |
| PHISON | ESR512GTXLG-E3C4MN | PCIe Gen 3.0 X4 | 512GB | PASS |
| PHISON | ESO1K0GTXLG-E6C4MN | PCIe Gen 4.0 X4 | 1TB | PASS |
| PHISON | ESR1K0GMFCM-E8C4MN | PCIe Gen 4.0 X4 | 1TB | PASS |
| Phison | SSMP256GTXMC2-S11 | SATAIII 6 Gb/s | 256GB | PASS |
| Plextor | PX-G128M6e | PCIe Gen2.0 x2 | 128GB | PASS |
| Plextor | PX-256M7GV | SATAIII 6 Gb/s | 256GB | PASS |
| SAMSUNG | 970 EVO | PCIe Gen 3.0 X4 | 250GB | PASS |
| Samsung | MZVKW512HMJP (NVMe) | PCIe Gen 3.0 x4 | 512GB | PASS |
| SAMSUNG | MZVL2250HCHQ | PCIe Gen 4.0 X4 | 250GB | PASS |
| SAMSUNG | 860 EVO | SATAIII 6 Gb/s | 250GB | PASS |
| SanDisk | X300s SD7SN3Q-256G | SATAIII 6 Gb/s | 256GB | PASS |
| SanDisk | Z400s SD8SNAT-128G | SATAIII 6 Gb/s | 128GB | PASS |
| Toshiba | XG5 TC58NCP090GSD | PCIe Gen 3.0 X4 | 512GB | PASS |
| Transcend | TS256GMTS800 | SATAIII 6 Gb/s | 256GB | PASS |
| Transcend | TS512GMTS800 | SATAIII 6 Gb/s | 512GB | PASS |
| WD | WDS100T1X0E | PCIe Gen 4.0 X4 | 1TB | PASS |
| WD | WDS500G1X0E | PCIe Gen 4.0 X4 | 500GB | PASS |
| WD | WDS120G1G0B-00RC30 | SATAIII 6 Gb/s | 120GB | PASS |
| WD | WDS500G1B0B | SATAIII 6 Gb/s | 500GB | PASS |
| PCI-E | | | | |
| Brand | Model | Speed | Size | Result |
| GIGABYTE | GV-N210D3-1GI | PCIe 2.0 x16 | GeForce 21 | PASS |
| GIGABYTE | GV-N460SE-1GI | PCIe 2.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N730D3-2GI | PCIe 2.0 x8 | GeForce GTX | PASS |
| GIGABYTE | GV-N1050TG1 GAMING-4GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N1060WF2OC-3GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N1070G1 GAMING-8GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N1080G1 GAMING-8GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N750OC-2GI | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N960WF2OC-2GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N970G1 GAMING-4GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N980G1 GAMING-4GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-N980WF3OC-4GD | PCIe 3.0 x16 | GeForce GTX | PASS |
| GIGABYTE | GV-R725OC-2GI | PCIe 3.0 x16 | Radeon R7 | PASS |
| GIGABYTE | GV-R726XOC-2GD | PCIe 3.0 x16 | Radeon R7 | PASS |
| GIGABYTE | GV-N1030D5-2GL | PCIe 3.0 x4 | GeForce GTX | PASS |
| GIGABYTE | GV-R724OC-2GI | PCIe 3.0 x8 | Radeon R7 | PASS |
| Gigabyte | RTX 3060 Gaming OC | PCIe 4.0 x16 | GeForce RTX | PASS |
| NV | NVIDIA Quadro P2200 | PCIe 3.0 x16 | Quadro | PASS |