



DATA SHEET

Accelerate. Dominate. Endure. FireCuda 120 SSD



Designed for speed and endurance, the highly-adaptable FireCuda® 120 SSD is ready for rigorous PC gaming. With 5600TB TBW durability and maxed out SATA III speed—this SSD plugs in easily, roars to life, and lasts a lifetime. Whether you're improving your PC or giving your battlestation extra backup, FireCuda 120 SSD is ready to play.



Best-Fit Applications

- New desktop gaming PC builds
- Upgrading a desktop gaming PC
- Upgrading a laptop gaming PC



Key Advantages

Get maximum, top-level SSD speed with SATA III 6Gb/s.

Take advantage of high sequential read/write speeds (up to 560/540 MB/s) for more responsive downloads, installs, and multitasking.

Unleash SATA SSD speeds that are up to 30× faster than hard drives.

Enjoy the long-term high endurance of 0.7 DWPD.

Game confidently with the durability of up to 5600TB total bytes written (TBW).

With a robust 1.8M hours mean time between failures (MTBF), you've got roughly 82 years of gaming ahead of you.

Up to 4TB of capacity means you can accumulate games without fear of maxing out space.

Monitor drive health, performance, and firmware updates with free Seagate SeaTools™ SSD software.

Rest easy with three years of Rescue Data Recovery Services¹, offering an industry-leading 95% success rate against unexpected data loss.

¹ Rescue Data Recovery Services not available in all countries.



| Specifications | 4TB | 2TB | 1TB | 500 GB |
|--|------------------|------------------|------------------|------------------|
| Model Number | ZA4000GM10001 | ZA2000GM10001 | ZA1000GM10001 | ZA500GM10001 |
| Interface | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s | SATA 6Gb/s |
| NAND Flash Memory | 3D TLC | 3D TLC | 3D TLC | 3D TLC |
| Form Factor | 2.5 in x 7mm | 2.5 in x 7mm | 2.5 in x 7mm | 2.5 in x 7mm |
| Performance | | | | |
| Sequential Read (Max, MB/s), 128KB ¹ | 560 | 560 | 560 | 560 |
| Sequential Write (Max, MB/s), 128KB ¹ | 540 | 540 | 540 | 540 |
| Random Read (Max, IOPS), 4KB QD32 ¹ | 100,000 | 100,000 | 100,000 | 100,000 |
| Random Write (Max, IOPS), 4KB QD32 ¹ | 90,000 | 90,000 | 90,000 | 90,000 |
| Endurance/Reliability | | | | |
| Total Bytes Written (TB) | 5600 | 2800 | 1400 | 700 |
| Mean Time Between Failures (MTBF, hours) | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 |
| Rescue Data Recovery Services ² | 3 | 3 | 3 | 3 |
| Warranty, Limited (years) | 5 | 5 | 5 | 5 |
| Power Management | | | | |
| Active Power, Average (W) | 5.5 | 5.5 | 5.5 | 5.5 |
| Idle Power, Average (mW) | <130 | <130 | <130 | <130 |
| DevSleep (mW) | <5 | <5 | <5 | <5 |
| Environmental | | | | |
| Temperature, Operating Internal (°C) | 0-70 | 0-70 | 0-70 | 0-70 |
| Temperature, Nonoperating (°C) | -40 - 85 | -40 - 85 | -40 - 85 | -40 - 85 |
| Shock, Nonoperating: 0.5ms (Gs) | 1500 | 1500 | 1500 | 1500 |
| Physical | | | | |
| Height (mm/in, max) | 7.10mm/0.249in | 7.10mm/0.249in | 7.10mm/0.249in | 7.10mm/0.249in |
| Width (mm/in, max) | 70.10mm/2.759in | 70.10mm/2.759in | 70.10mm/2.759in | 70.10mm/2.759in |
| Depth (mm/in, max) | 100.35mm/3.950in | 100.35mm/3.950in | 100.35mm/3.950in | 100.35mm/3.950in |
| Weight (g/lb) | 50g/0.110lb | 50g/0.110lb | 50g/0.110lb | 50g/0.110lb |
| Bulk Pack Specifications | | | | |
| Carton Unit Quantity | 10 | 10 | 10 | 10 |
| Cartons Per Pallet/Layer | 216 / 9 | 216 / 9 | 216 / 9 | 216 / 9 |
| Special Features | | | | |
| TRIM | Yes | Yes | Yes | Yes |
| S.M.A.R.T. | Yes | Yes | Yes | Yes |
| Halogen Free | Yes | Yes | Yes | Yes |
| RoHS Compliance | Yes | Yes | Yes | Yes |

¹ Fresh out of box (FOB) performance obtained on newly formatted drive. Performance may vary based on SSD's firmware version, system hardware, and configuration. Performance based on CrystalDiskMark v.6.0.0 x64 on Windows 10 host.

² Rescue Data Recovery Services not available in all countries.



| Ordering Information | |
|---------------------------|-------------------|
| Specifications | |
| Retail Packaging | Box Dimensions |
| Depth/Length (in/mm) | 0.994in/24mm |
| Width (in/mm) | 4.291in/109mm |
| Height (in/mm) | 6.102in/155mm |
| Weight (lb/kg) | 2.205lb/0.1kg |
| Master Carton Dimensions | |
| Depth/Length (in/mm) | 6.023in/153mm |
| Width (in/mm) | 11.496in/292mm |
| Height (in/mm) | 5.011in/140mm |
| Weight (lb/kg) | 2.646lb/1.2kg |
| Pallet Dimensions | |
| Depth/Length (in/mm) | 47.992in/1219mm |
| Width (in/mm) | 20in/508mm |
| Height (in/mm) | 27.795in/706mm |
| Weight (lb/kg) | 127.559lb/57.86kg |
| Quantities | |
| Boxes per Master Carton | 10 |
| Master Cartons per Pallet | 48 |
| Pallet Layers | 4 |

| System Requirements | What's Included |
|---------------------|-----------------|
|---------------------|-----------------|

- SATA 6Gb/s or SATA 3Gb/s port
- Windows[®] 10, Windows 8.1
- Linux
- Seagate[®] FireCuda[®] 120 SSD

| Region | Model Number | Capacity | Limited Warranty (years) | UPC Code | EAN Code | Multi-Pack UPC |
|--------|---------------|----------|--------------------------|--------------|---------------|----------------|
| WW | ZA500GM1A001 | 500GB | 5 | 763649144886 | 8719706025577 | 10763649144883 |
| WW | ZA1000GM1A001 | 1TB | 5 | 763649144893 | 8719706025584 | 10763649144890 |
| WW | ZA2000GM1A001 | 2TB | 5 | 763649144909 | 8719706025591 | 10763649144906 |
| WW | ZA4000GM1A001 | 4TB | 5 | 763649144916 | 8719706025607 | 10763649144913 |

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