

**9** S E A G A T E

# Accelerate. Dominate. Endure.



Built specifically for professional-level gamers, the Seagate<sup>®</sup> FireCuda<sup>®</sup> 510 SSD brings the intense speeds, lasting endurance, and large capacity needed to accelerate PC storage performance.



### **Best-Fit Applications**

- Gaming PC desktops
- Gaming PC laptops
- High-performance PCs and workstations
- Creative professional systems

## Key Advantages

**NVMe PCIe Gen3 ×4** interface unleashes the speed of NAND and delivers up to 6× faster performance than SATA SSDs

Blazing-fast sequential read/writes bring faster load times, faster program installations, and faster processing

Ultra-high random read/write IOPS translates to faster program response times and more responsive multiple program multitasking

Enhanced dynamic SLC cache with up to 28 GB reserved provides longer bursts of data

**1 TB and 2 TB capacities** for the storage of huge files and games without the worry of maxing out your drive or partitioning

**M.2 2280 form factor** for massive speed and capacity in a compact package for installation in tight spaces, leaving room for other components

**Top-tier endurance** gives pro-level gamers peace of mind with a 5-year limited warranty and MTBF of 1.8 M hours

SeaTools<sup>™</sup> SSD enhanced gaming tool with drive management and health monitoring so gamers can tune the drive to their performance needs



oificatio

Specifications	2 TB	1 TB
Standard Model (TCG Pyrite)	ZP2000GM30001 ZP1000GM30001	
Interface	PCIe G3 ×4, NVMe 1.3 PCIe G3 ×4, NVMe 1.3	
NAND Flash Memory	3D TLC	3D TLC
Form Factor	M.2 2280-D2	M.2 2280-D2
Performance		
Sequential Read (Max, MB/s), 128KB <sup>1</sup>	3450	3450
Sequential Write (Max, MB/s), 128KB <sup>1</sup>	3,200	3,200
Random Read (Max, IOPS), 4 KB QD32 T8 <sup>1</sup>	485,000	620,000
Random Write (Max, IOPS), 4KB QD32 T8 <sup>1</sup>	600,000	600,000
Endurance/Reliability		
Total Bytes Written (TB)	2,600	1,300
Mean Time Between Failures (MTBF, hours)	1,800,000	1,800,000
Warranty, Limited (years)	5	5
Power Management		
Active Power, Average (W)	6.0	5.3
Idle Power PS3, Average (mW)	26	20
Low Power L1.2 mode (mW)	2	2
Environmental		
Temperature, Operating Internal (°C)	0 to 70	0 to 70
Temperature, Non-operating (°C)	-40 to 85	-40 to 85
Shock, Non-operating: 0.5 ms (Gs)	1,500	1,500
Special Features		
TRIM	Yes	Yes
S.M.A.R.T.	Yes	Yes
Halogen-free	Yes	Yes
RoHS compliance	Yes	Yes
Physical		
Length, Max (mm)	80.15	80.15
Width, Max (mm)	22.15	22.15
Height, Max (mm)	3.58	3.58
Weight (g)	8.3	8.1

отр

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.5.2.1 ×64 on Windows 10 host.

A FIRECUDA

1 TD

Ordering Information						
Specifications						
Retail Packaging		Box Dimensions	Master Carton Dimensions	Pallet Dimensions		
Depth/Length (in/mm)		5.285 in/134.25 mm	5.078 in/129 mm	47.244 in/1200 mm		
Width (in/mm)		4.291 in/109 mm	10.944 in/278 mm	39.37 in/1000 mm		
Height (in/mm)		0.944 in/24 mm	6.653 in/169 mm	51.968 in/1,320 mm		
Weight (lb/kg)		0.136 lb/0.062 kg	2.028 lb/0.92 kg	428.799 lb/194.5 kg		
Quantities						
Boxes per Master Carton	10					
Master Cartons per Pallet	196					
Pallet Layers	7					

#### System Requirement

What's Includ

• Seagate® FireCuda® 510 SSD

• M.2 (M key) slot, PCIe G3 ×4 interface

• Windows<sup>®</sup> 10, Windows 8.1, Windows 7

• Linux

Limited Warranty Region Model Number Capacity UPC Code EAN Code Multi-Pack UPC (years) ww ZP1000GM30011 1000GB 5 763649133989 8719706016599 10763649133986 ww 5 ZP2000GM30021 2000GB 763649133996 8719706016605 10763649133993

#### seagate.com

**9** SEAGATE

#### AMERICAS S ASIA/PACIFIC S EUROPE, MIDDLE EAST, AND AFRICA S

Seagate Technology LLC 10200 South De Anza Boulevard, Cupertino, California 95014, United States, 408-658-1000 Seagate Singapore International Headquarters Pte. Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888 Seagate Technology SAS 16-18, rue du Dôme, 92100 Boulogne-Billancourt, France, 33 1-4186 10 00

© 2019 Seagate Technology LLC. All rights reserved. Seagate Technology, and the Spiral logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. FireCuda and SeaTools are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes; and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual data rates may vary depending on operating environment and other factors, such as chosen interface and disk capacity. Complying with all applicable copyright laws is the responsibility of the user. Seagate reserves the right to change, without notice, product offerings or specifications. DS1999.2-1903US March 2019