

WD_BLACK™

WD_BLACK™ SN8100 NVMe™ SSD with Heatsink
Setup Sheet

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Product Brand Name	WD_BLACK™ SN8100 NVMe™ SSD with Heatsink Setup Sheet
Product Category	Internal SSD
Headline	Experience the pinnacle of SSD performance with the WD_BLACK™ SN8100 NVMe™ Gen 5 SSD with Heatsink.
Product Title (32-characters)	4TB* WD_BLACK™ SN8100 Gen 5 NVMe™ SSD with Heatsink 2TB* WD_BLACK™ SN8100 Gen 5 NVMe™ SSD with Heatsink 1TB* WD_BLACK™ SN8100 Gen 5 NVMe™ SSD with Heatsink
Product Title (100-characters)	4TB* WD_BLACK™ SN8100 PCIe® 5.0x4 NVMe™ M.2 SSD with Heatsink 2TB* WD_BLACK™ SN8100 PCIe® 5.0x4 NVMe™ M.2 SSD with Heatsink 1TB* WD_BLACK™ SN8100 PCIe® 5.0x4 NVMe™ M.2 SSD with Heatsink
Consumer-friendly Product Description (10-12 words)	Our highest-performance PCIe® Gen 5 SSD with heatsink for transformed gaming and hyper-efficient workflows.
Body Copy (100-words)	Build your new gaming or workstation system with our cutting-edge PCIe® Gen 5 SSD, delivering blistering speeds up to 14,900 MB/s** for demanding tasks like high-level gaming, professional content creation, and AI applications. As an industry-leader for PCIe® Gen 5 power efficiency, the WD_BLACK™ SN8100 NVMe™ SSD with Heatsink harnesses advanced TLC 3D CBA NAND technology to ensure performance and reliability, while a low-power profile keeps your system running smoothly. Our new integrated heatsink features a signature WD_BLACK design and customizable RGB lighting. Engineered with anodized aluminum, double TIM pads, and a sleek low-profile design, it helps keep temperatures in check with a superior passive cooling design — no noisy fans or extra power cords required. With up to 4TB* of storage and a suite of powerful features, this SSD is the ultimate upgrade for discerning users.
Feature Bullets (Place at top of product page, above the fold. Listed in order of importance.)	<ul style="list-style-type: none">• EXPERIENCE PCIe® Gen 5. Drastically enhance your gaming and content creation experience with this PCIe® Gen 5.0x4 NVMe™ M.2 SSD.• BREAKNECK SPEEDS. Your drive reaches sequential read speeds up to an astonishing 14,900MB/s**, sequential write speeds up to 14,000MB/s**, and over 2,300,000 IOPS** of random performance (2TB - 4TB* models).• ADVANCED RELIABILITY . Our latest TLC 3D CBA NAND technology helps ensure your experience is exquisite, no matter if you're gaming or working.• AN INDUSTRY-LEADER IN POWER EFFICIENCY. Enjoy over 100% more power efficiency than PCIe® Gen4***. Plus, run your machine at optimal performance with an average operating power of 7W* or under.• CUSTOM WD_BLACK HEATSINK. Keep your SSD cool with a low-profile heatsink design with customizable RGB lighting to match your style and your build needs.• ROOM FOR REVOLUTION. Hold your biggest projects and still have room for OS updates, models for AI-powered applications, and your game library thanks to immense capacities up to 4TB.*
Feature Modules	<p>Experience the breakneck speed of PCIe® Gen 5 Drastically enhance your gaming and content creation experience with the speed of PCIe® Gen 5.0x4 NVMe™ M.2 SSD technology — perfect for gaming, content creation, and loading models for AI-powered applications.</p> <p>Blistering speeds for intense tasks With the help of our nCache™ 4.0 feature, the WD_BLACK SN8100 SSD reaches sequential read speeds up to an astonishing 14,900MB/s**, sequential write speeds up to 14,000MB/s,** and over 2,300,000 IOPS** of random performance (2TB - 4TB* models).</p> <p>Designed to perform Our latest TLC 3D CBA NAND technology provides our most advanced combination of speed and reliability to ensure your experience is at top performance, no matter if you're gaming or working.</p> <p>An industry-leader for PCIe® Gen 5 power efficiency Enjoy over 100% more power efficiency than our PCIe® Gen 4*** drive and simplify your system design with our passive cooling heatsink. Plus, an average operating power of 7W* or under helps keep your drive running at optimal performance.</p> <p>Custom WD_BLACK heatsink Keep your SSD cool with a low-profile heatsink design with customizable RGB lighting to match your style and your build needs. Our new and improved heatsink is engineered with anodized aluminum, redesigned for improved airflow. Allowing this heatsink drive to be completely noiseless, with no extra power or fans needed.</p> <p>Room for revolution Hold your biggest projects and still have room for OS updates, models for AI-powered applications, large datasets, and your game library thanks to immense capacities up to 4TB.* And with the latest security features like TCG Opal, you can help protect and encrypt your sensitive data.</p>
Compatibility	Windows® 10+ PCIe® Gen 5.0, Backwards compatible with PCIe® 4.0, PCIe® 3.0, PCIe® 2.0 PC with M.2 (M-key) port, capable of taking M.2 2280 form factor
Keywords	Gaming SSD, professional SSD, high performance SSD, NVMe Gen 5 SSD, gaming storage, professional storage
Disclosures/ Footnotes	<p>* 1GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.</p> <p>** Based upon read speed, unless otherwise stated. 1MB/s = 1 million bytes per second. IOPS = input/output operations per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.</p> <p>*** Over 100% more power efficient than 2TB WD_BLACK SN850X NVMe SSD.</p> <p>SanDisk and nCache are registered trademarks or trademarks of SanDisk Corporation or its affiliates in the U.S. and/or other countries. WD_BLACK and the WD_BLACK logo are registered trademarks or trademarks of Western Digital Corporation or its affiliates in the U.S. and/or other countries. The NVMe word mark is a trademark of NVM Express, Inc. PCIe® is a registered trademark of PCI-SIG. Windows and Microsoft are registered trademarks of the Microsoft group of companies. All other marks are the property of their respective owners. Product specifications subject to change without notice. Pictures shown may vary from actual products.</p> <p>© 2025 SanDisk Corporation or its affiliates. All rights reserved.</p>