

SSD SANDISK 600xTBW rating MTBF 1750000 h Read speed 14900 MB/s Write speed 11000 MB/s NVMe Yes PCI Express 5.0 M.2 1000 GB SDSP82100TAH-000E0

Model: SDSP82100TAH-000E0

Manufacturer: SANDISK

EAN: 619659231934

Product Code: 552061

R8,630

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Help maximize your storage performance with the SANDISK Optimus GX PRO 8100 PCIe® 5.0 NVMe™ SSD.

Professionals, creators, and gamers deserve optimal storage performance for demanding AI workflows and intense gaming sessions. The SANDISK Optimus GX PRO 8100 NVMe™ SSDs are designed to deliver exactly that. With groundbreaking PCIe® 5.0 storage performance, reach Sequential Read/Write speeds up to 14,900/14,000 MB/s (2TB and 4TB models). Seamlessly multitask with Random Read/Write speeds up to 2.3M/2.4M IOPS (2TB and 4TB), and transfer files faster thanks to integrated SANDISK nCache™ 4.0 technology. Store expansive game libraries and large digital assets with capacities up to 8TB on M.2 2280 built with the 8th generation of our trusted SANDISK BiCS TLC 3D CBA NAND. Engineered to endure write intensive workflows, the SANDISK Optimus GX PRO 8100 SSD offers a 4,800 TBW (8TB model) endurance rating. Heatsink version is engineered to provide up to 5.5x longer sustained performance for those extended working or gaming sessions. Ideal for compatible workstations, AI PCs, gamer PCs, and creator PCs.

One of the fastest PCIe 5.0 drives out there

Whether you’re pushing the boundaries at work or play, the SANDISK Optimus GX PRO 8100 PCIe® 5.0 NVMe™ SSD with heatsink keeps up with you. Load and store massive assets, projects, and games thanks to blazingly fast Sequential Read/Write speeds of up to 14,900/14,000 MB/s (2TB and 4TB models).

Lightning-fast performance for supercharged AI workflows

AI models perform optimally with fast Random Read/Write speeds, and this SSD offers just that. With up to 2.3M/2.4M IOPS (2TB and 4TB models) and our integrated SANDISK nCache™ 4.0 technology, this SSD delivers blistering burst write performance for large file transfers.

Pushing limits demands higher storage capacities

Application datasets, 8K video, full frame images, and AAA games have one thing in common: they can get massive. With capacities up to 8TB on an M.2 2280 form factor built with the 8th generation of our trusted SANDISK BiCS TLC 3D CBA NAND, you have room for more.

Award-winning performance

Don’t take our word for it - leading reviewers in the storage industry have named the SANDISK

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Optimus GX PRO 8100 SSD as one of the fastest, most powerful, and most efficient SSDs on the planet.

Running fast and staying cool

With over 2x more power efficiency (1TB – 4TB models) than our PCIe® Gen 4.0 SSD at an average operating power of 7.5W or under, your SSD stays cool and delivers high performance over a longer period.

Engineered to endure write-intensive workloads

With up to 4,800 TBW (8TB model) endurance rating, your drive is designed to handle heavy, write-intensive workloads, like scientific and financial simulation, 3D modeling, and AI production workflows.

Peace of mind comes standard

This SSD comes with a 5-year limited warranty and support for TCG Opal v2.02 for data-at-rest encryption, allowing you to focus on what you do best.

Heatsink for sustained high performance

The SANDISK Optimus Heatsink is made with anodized aluminum, designed to efficiently channel heat away for up to 5.5x longer sustained performance compared to without. Plus, the onboard programmable RGB LED lets you customize the look to match your rig.

Summary: SanDisk Optimus GX PRO 8100. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 14900 MB/s, Write speed: 11000 MB/s, Component for: PC | Vendor Homepage: https://shop.sandisk.com/products/ssd/internal-ssd/sandisk-optimus-gx-pro-8100-internal-nvme-ssd?sku=SDSP82100TAH-000E0 | SSD capacity: 1000 | SSD form factor: M.2 | Interface: PCI Express 5.0 | NVMe: Yes | NVMe version: 2.0 | Memory type: TLC 3D NAND | Component for: PC | Hardware encryption: Yes | M.2 SSD size: 2280 (22 x 80 mm) | Write speed: 11000 | Read speed: 14900 | Random read (4KB): 1600000 | Random write (4KB): 2400000 | PCI Express interface data lanes: x4 | Security algorithms: TCG Opal 2.0 | Mean time between failures (MTBF): 1750000 | Windows operating systems supported: Windows 10/Windows 11 | Backlight: Yes | TBW rating: 600 | Average power consumption (read): 6.2 | Average power consumption (write): 6.1 | Power consumption (sleep): 0.005 | Brand specific technologies: SLC Caching | Width: 25 | Depth: 80 | Height: 9.76 | Weight: 28.2 | Operating temperature (T-T): 0 - 85 | Storage temperature (T-T): -40 - 85 | Operating

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vibration: 5 | Non-operating vibration: 4.9 | Operating shock: 1500 | Cooling type: Heatsink | Compliance certificates: BSMI/CB/CE/Federal Communications Commission (FCC)/KCC/RCM/RoHS/UKCA/UL/VCCI | Unit Calculated Weight: 0.049 | Unit Calculated Volume: 0.0003619 | Units per Shipping Box: 10 | Unit Width: 10.5 | Units per Pallet: 0 | Shipping Box Height: 14 | Unit Depth: 13 | Unit Height: 2 | Name: SSD PCIE G5 M.2 NVME 1TB HEAT./GXPRO8100 SDSP82100TAH SANDISK

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