

**SSD SANDISK
1200xTBW
rating MTBF
1750000 h Read
speed 14900
MB/s Write
speed 14000
MB/s NVMe Yes
PCI Express 5.0
M.2 2000 GB
SDSP82200TAN-
000E0**



Model: SDSP82200TAN-000E0

Manufacturer: SANDISK

EAN: 619659230982

Product Code: 311950

R16,268

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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.

Summary: SanDisk Optimus GX PRO 8100. SSD capacity: 2 TB, SSD form factor: M.2, Read speed: 14900 MB/s, Write speed: 14000 MB/s, Component for: PC | Vendor Homepage:

<https://shop.sandisk.com/products/ssd/internal-ssd/sandisk-optimus-gx-pro-8100-internal-nvme-ssd?sku=SDSP82200TAN-000E0> | Component for: PC | Hardware encryption: Yes | Interface: PCI Express 5.0 | M.2 SSD size: 2280 (22 x 80 mm) | Mean time between failures (MTBF): 1750000 | Memory type: TLC 3D NAND | NVMe: Yes | NVMe version: 2.0 | PCI Express interface data lanes: x4 | Random read (4KB): 2300000 | Random write (4KB): 2400000 | Read speed: 14900 | Security algorithms: TCG Opal 2.0 | SSD capacity: 2000 | SSD form factor: M.2 | TBW rating: 1200 | Windows operating systems supported: Windows 10/Windows 11 | Write speed: 14000 | Average power consumption (read): 6.4 | Average power consumption (write): 7 | Power consumption (sleep): 0.005 | Brand specific technologies: SLC Caching | Depth: 80 | Height: 2.38 | Weight: 7.5 | Width: 22 | Non-operating vibration: 4.9 | Operating shock: 1500 | Operating temperature (T-T): 0 - 85 | Operating vibration: 5 | Storage temperature (T-T): -40 - 85 | Compliance certificates: BSMI/CB/CE/Federal Communications Commission (FCC)/KCC/RCM/RoHS/UKCA/UL/VCCI | Units per Pallet: 0 | Units per Shipping Box: 10 | Unit Calculated Volume: 0.0003919 | Unit Calculated Weight: 0.051

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