

Apacer Professional Solutions

PB5480 Gen5 x4



Overview

In the rapidly evolving digital era, outstanding storage performance and low power consumption have become fundamental user requirements. As the latest generation of PCIe data transmission interface standards, PCIe Gen5 offers a transfer rate of up to 32 GT/s, surpassing the bandwidth limitations of Gen4.

Apacer PB5480 M.2 PCIe SSD adopts the PCIe Gen5 x4 interface and features a powerful PCIe controller along with a "DRAM-less" design, delivering exceptional performance within a compact footprint. With impressive data transfer capabilities, it achieves read/write speeds of up to 10300/8600 MB/s respectively, while maintaining low power consumption. This SSD is specifically tailored for elite gamers, creators, and professionals seeking breakthroughs in gaming and content creation.

Features

- M.2 2230 PCIe Gen5 x4 interface
- Sequential read/write speed up to 10300/8600 MB/s
- 1TB/2TB capacities available
- Supports S.M.A.R.T./TRIM
- Thermal Throttling technology ensures performance under heat

Specifications

Model Name	PB5480
Capacity	1TB/2TB
Interface	M.2 2280
NAND Flash	3D NAND
Sequential Read Performance*	Up to 10300 MB/s
Sequential Write Performance*	Up to 8600 MB/s
IOPS (4K Random Write)	Up to 1500K
MTBF (Hours)	>2,000,000
Standard Operating Temperature (°C)	0°C ~ 70°C
Storage Operating Temperature (°C)	-40°C ~ 85°C
Dimension	(L)80.00 x (W)22.00 x (H)2.38 mm
Warranty	3 years or TBW**, whichever occurs first

*The performance may vary due to host hardware, software , usage and storage capacity. Gen5 NVMe SSDs generate high heat due to high-speed transmission. To prevent thermal protection mechanisms from activating and causing performance limitations, a motherboard heatsink or an alternative cooling solution, such as a heatsink or an active cooling fan, must be installed to ensure optimal performance. Please install the heatsink correctly and ensure proper ventilation inside the chassis to prevent your computer from operating at high temperatures.

**Terabytes Written(TBW): represents the total number of bytes that can be written before the SSD becomes unwritable. The larger the TBW value, the more resistant the SSD is to writing and the better the durability.

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