

Apacer Professional Solutions

PB5480 Gen5 x4



Overview

The Apacer PB5480 M.2 PCIe Solid State Drive features a PCIe Gen5 x4 interface, combined with a high-performance controller and an advanced DRAM-less architecture, delivering exceptional performance and low power consumption in a compact form factor. With sequential read and write speeds of up to 10,300 / 8,600 MB/s, it effectively meets the demands of high-workload applications requiring fast data access.

The PB5480 is now available in a 4TB high-capacity option, providing ample storage space to easily accommodate large game libraries, high-resolution multimedia content, and professional project data. Designed for enthusiast gamers, content creators, and professional users, the PB5480 delivers an optimal balance of speed, capacity, and stability to support next-generation computing applications.

Features

- M.2 2230 PCIe Gen5 x4 interface
- Sequential read/write speed up to 10300/8600 MB/s
- 1TB/2TB/4TB capacities available
- Supports S.M.A.R.T./TRIM
- Thermal Throttling technology ensures performance under heat

Specifications

Model Name	PB5480
Capacity	1TB/2TB/4TB
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.

**For more information,
contact your Apacer representative**

Global Presence

Taiwan (Headquarter)
Apacer Technology Inc.
Tel: +886-2-2267-8000

Europe
Apacer Technology B.V.
Tel: +31-40-267-0000

U.S.A.
Apacer Memory America, Inc.
Tel: +1-408-518-8699

China
Apacer Electronic (Shanghai)
Co., Ltd.
Tel: +86-21-6228-9939

Japan
Apacer Technology Corp.
Tel: +81-3-5419-2668

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-35910296