

## Boost Performance to the Peak!

M.2 2230 PCIe Gen4 x4 SSD  
PE4430-R



### Product Advantages

- M.2 2230 PCIe Gen4 x4 Interface
- Ideal choice for handheld consoles and lightweight devices
- Sequential read/write performance up to 5,500/5,200 MB/s
- 1TB/2TB capacities available
- Ultra-thin graphene heat spreader

### The First Choice for Handheld Console Expansion

Designed specifically for gamers, its continuous read and write speeds of up to 5,500/5,200 MB/s make games load faster and run more smoothly. Players can focus on immersing themselves in the game world and winning brilliant victories!

### Ideal Upgrade for Lightweight Devices

The PE4430-R fits in any M.2 2230 slot, making it ideal for thin and light laptops and tablets. It's an ideal storage upgrade option providing digital professionals with a solution that combines high-speed performance and large capacity to improve work efficiency!

### 2TB Capacity, Take More Contents On the Go

The PE4430-R is available in 1TB/2TB capacities, providing ample storage space for handheld game consoles. Players can download and store more games and enjoy a diverse gaming experience.

### Graphene Heat Spreader : Makes the System More Stable

Apacer's unique graphene heat spreader is an ultra-slim design at just 0.17mm. It attaches easily to the PE4430-R yet takes up very little space.

It helps to avoid overheating during system operation and maintain optimal reading and writing performance, delivering an optimal gaming experience.

### Multiple Protections to Ensure Data Stability

The PE4430-R comes with a number of built-in protection technologies, such as Power Failure Management technology, which ensures that in the event of a sudden power outage, the SSD reduces the risk of data loss, enhances data reliability, and prevents data corruption. It also features advanced Wear Leveling technology and Error-Correcting Code (ECC).



## Product Specifications

Model/Interface	PE4430-R PCIe Gen4 x4 \ NVMe 1.4	
<b>Form Factor</b>	M.2 2230 M Key	M.2 2230 M Key
<b>Dimension (mm)</b>	(L)30.00 x (W)22.00 x (H)2.43mm	(L)30.00 x (W)22.00 x (H)2.43mm
<b>NAND Flash Type</b>	3D NAND	3D NAND
<b>Part Number</b>	AP3AE4430RI-0001	AP3BE4430RI-0001
<b>Capacity</b>	1TB	2TB
<b>Terabytes Written (TBW)</b>	500	1,000
<b>Sequential Read (MB/s)*</b>	5,500	5,500
<b>Sequential Write (MB/s)*</b>	4,800	5,200
<b>Random Read IOPS (4K)</b>	700,000	720,000
<b>Random Write IOPS (4K)</b>	880,000	880,000
<b>Warranty</b>	5 years or TBW, whichever occurs first	5 years or TBW, whichever occurs first

\*The performance may vary due to host hardware, software , usage and storage capacity.