



- Seq. Read/Write speeds up to 10,000/8,500 MB/s
- Powered by the latest PCIe Gen5 x4 controller
- NVMe 2.0 compliant for modern platform compatibility

Experience blazing-fast performance with the Patriot PA523 SSD, powered by the latest PCIe 5.0 interface. With sequential read speeds of up to 10,000MB/s, write speeds up to 8,500MB/s, and capacities up to 4TB, it's built for high-speed gaming, 4K video editing, and demanding multitasking.

Designed for superior efficiency and low thermal output, the PA523 SSD stays cool and responsive even under load, delivering up to 80% better power efficiency than typical Gen4 drives. Its single-sided M.2 2280 form factor offers broad compatibility with ultra-thin laptops, handheld gaming consoles, and compact PCs.

Features

- Powered by the latest PCIe Gen5 x4 controller
- NVMe 2.0 compliant for modern platform compatibility
- Host Memory Buffer (HMB) support for enhanced efficiency
- Slim graphene heatshield for effective passive cooling
- Integrated SmartECC for advanced data integrity protection
- Built-in Thermal Throttling to maintain stable performance
- O/S Supported: Windows® 7*/8.0*/8.1/10/11 (*May require driver)



Specifications

Model / Capacity	4TB	2TB	1TB
Form Factor / Interface	PCIe Gen5 x4 M.2 2280		
Seq. Read / Write (MB/s)	10,000 / 8,500	10,000 / 8,200	10,000 / 6,500
Endurance (TBW)	3000TB	1400TB	700TB
Operating Temperature	0°C ~ 70°C		
Operating System	Windows® 7*/8.0*/8.1/10/11 (*May require drivers depending on system conditions)		
Dimension	3.15" (L) x 0.87" (W) x 0.15" (H) / 8 cm (L) x 2.2 cm (W) x 0.38 cm (H)		
Weight	0.02 lbs / 11 g		
Warranty	Five-year Warranty		

Ordering

Capacity	Part Number	EAN / UPC Code	Capacity	Part Number	EAN / UPC Code
4TB	PA523P4TBM28H	4711378430813	1TB	PA523P1TBM28H	4711378430790
2TB	PA523P2TBM28H	4711378430806			

