



## VIPER PV593 1TB M.2 2280 PCIe Gen5 x4 SSD

Introducing Patriot Memory's newest SSD; the PV593, a PCIe M.2 SSD with a Gen5 x 4 ultra speed link! Designed for gamers, professionals, and creatives of all kinds, the PV593 is the newest invention in modern storage. With its PCI Gen5 x 4 interface, bandwidth and speed are faster than ever with read speeds up to 14,000MB/s. To keep it cool under pressure, the PV593 is adopted by SMI SM2508 controller and created with 6nm fabrication process and advanced thermal dissipation management system to prevent overheating.



The PV593 is perfect for gamers and videographers thanks to its full support of Microsoft DirectStorage, a game-changing technology that dramatically decreased loading times and creates a smoother experience with an enhanced graphics performance. The PV593 ensures there is enough capacity for anything you need with up to 4TB of space, whether that be games, important files, photos, or videos! The PV593 is O/S supported for Windows 7, 8.0, 8.1, 10, and 11.

### PRODUCT INFORMATION

<b>PATRIOT INV. NUMBER:</b>	PV593P1TBM28H
<b>DESCRIPTION:</b>	VIPER PV593 1TB M.2 2280 PCIe Gen5 x4 SSD
<b>CAPACITY:</b>	1000GB
<b>CERTIFICATIONS/SAFETY:</b>	CE/FCC/UKCA/BSMI//RoHS
<b>PRODUCT WARRANTY:</b>	5 Year Warranty
<b>UNIT EAN/UPC:</b>	4711378430615
<b>UNIT WEIGHT:</b>	0.02 lbs / 11 g
<b>UNIT DIMENSIONS:</b>	3.15" (L) x 0.87" (W) x 0.3" (H) 8 cm (L) x 2.2 cm (W) x 0.8 cm (H)
<b>PACKAGING TYPE:</b>	Retail Box
<b>PACKAGING WEIGHT:</b>	0.08 lbs / 40 g
<b>PACKAGING DIMENSIONS:</b>	1" (L) x 2.98" (W) x 4.83" (H) 2.5 cm (L) x 7.6 cm (W) x 12.3 cm (H)
<b>MASTER CARTON WEIGHT:</b>	15.43 lbs / 7 kg
<b>MASTER CARTON DIMENSIONS:</b>	12.68" (L) x 16.93" (W) x 15.94" (H) 32.2 cm (L) x 43 cm (W) x 40.5 cm (H)
<b>UNITS PER INNER CARTON:</b>	10
<b>UNITS PER MASTER CARTON:</b>	120

### FEATURES:

- Built with the latest SMI SM2508 PCIe Gen5 controller & 232 Layer TLC NAND
- M.2 2280 PCIe Gen5 x4, NVMe 2.0
- New 6nm process with advanced thermal dissipation management
- 4K LDPC ECC
- Support DirectStorage
- Intelligent Thermal Throttling
- 5 Year Warranty
- Operating Temperature: 0 ~ 70°C
- O/S Supported: Windows® 7\*/8.0\*/8.1/10/11

### SPECIFICATIONS:

- Capacity: 1000GB
- External buffer memory size: upgrade to DDR4 1GB
- Sequential Read (CDM): up to 14,000MB/s
- Sequential Write (CDM): up to 10,000MB/s
- 4K Aligned Random Read: up to 1650K IOPs
- 4K Aligned Random Write: up to 1650K IOPs
- TBW:700TB

For technical support, email us at:  
[SUPPORT@PATRIOTMEM.COM](mailto:SUPPORT@PATRIOTMEM.COM)

## MEMORY STORAGE