



## Patriot P300 M.2 PCIe Gen 3 x4 512GB SSD

The P300 is Patriot's next generation of mid-tier PCIe gen 3x4 NVMe SSD to hit the market, offering 25% higher transfer speeds and IOPs than standard PCIe 3x2 solutions. The compact m.2 form factor is designed for easy installation and will fit into any PC or laptop, while its low power consumption helps extend laptop battery life. The P300 is guaranteed to improve start-up, loading, and transfer times over traditional hard disk drives.

The P300's advanced firmware offers ECC technology and end-to-end data path protection to ensure data integrity throughout the life of the drive. Advanced wear-leveling and thermal management features extend the life of the drive for maximum use.

Boost your computer's performance with quicker application loading times for a better overall experience and productivity while transferring heavy workloads without the lag. Backed by our 5-year warranty, Patriot's P300 delivers one of the most reliable price-to-performance SSD's on the market.



## PRODUCT INFORMATION

<b>PATRIOT INV. NUMBER:</b>	P300P512GM28
<b>DESCRIPTION:</b>	Patriot P300 M.2 PCIe Gen 3 x4 512GB
<b>CERTIFICATIONS/SAFETY:</b>	CE/FCC/RoHS/KC
<b>PRODUCT WARRANTY:</b>	5 Year Warranty
<b>UNIT UPC:</b>	0814914026526
<b>UNIT WEIGHT:</b>	0.01 lbs / 9 gm
<b>UNIT DIMENSIONS:</b>	3.15"(L) x 0.87"(W) x 0.15"(H) 8 cm (L) x 2.2 cm (W) x 0.38 cm (H)
<b>PACKAGING TYPE:</b>	Hang Card
<b>PACKAGING WEIGHT:</b>	0.04 lbs / 20 gm
<b>PACKAGING DIMENSIONS:</b>	0.26"(L) x 3.92"(W) x 5.15"(H) 6.6 mm(L) x 99.6 mm(W) x 130.8 mm(H)
<b>MASTER CARTON WEIGHT:</b>	22 lbs / 10 kg
<b>MASTER CARTON DIMENSIONS:</b>	18"(L) x 14.84"(W) x 12.05"(H) 45.8cm (L) x 37.7cm (W) x 30.6cm (H)
<b>UNITS PER INNER CARTON:</b>	50
<b>UNITS PER MASTER CARTON:</b>	500

## FEATURES:

- Built with the latest PCIe 3 x 4 controller
  - 2280 M.2 PCIe Gen3 x 4, NVMe 1.3
  - End to end data path protection.
  - SmartECC technology
  - Thermal throttling technology
  - Operating Temperature: 0 ~ 70°C
  - Power Consumption: Full: 2.07W Idle: 0.37W
  - TBW: 240TB
  - 4K Aligned Random Read: up to 290K IOPs
  - 4K Aligned Random Write: up to 260K IOPs
  - Sequential Read (ATTO): up to 1,700MB/s
  - Sequential Write (ATTO): up to 1,100MB/s
  - Sequential Read (CDM): up to 1,700MB/s
  - Sequential Write (CDM): up to 1,100MB/s
  - O/S Supported: Windows® 7\*/8.0\*/8.1/10
- \*May require driver

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

## MEMORY STORAGE

[PATRIOTMEMORY.COM](http://PATRIOTMEMORY.COM)



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