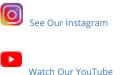**PPCS**
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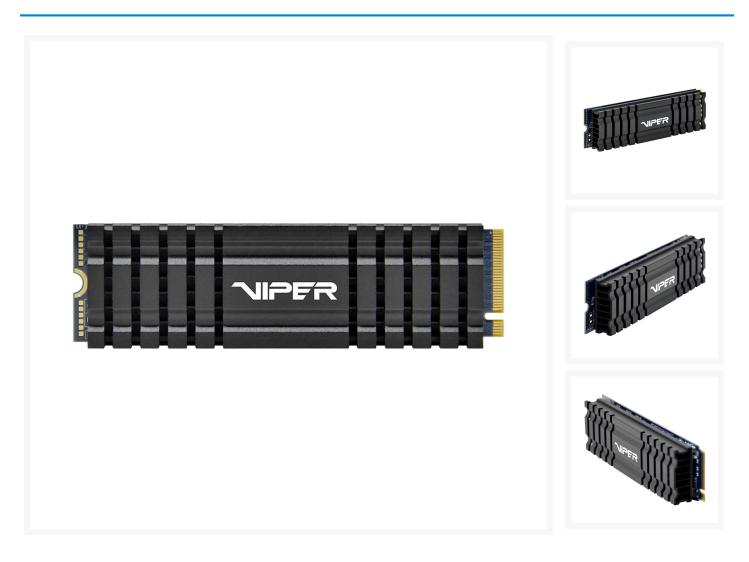NE, Unit #5
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Patriot 512GB VPN100 M.2 2280 PCIe SSD VPN100-512GM28H

$89.95

Product Images

Short Description

Boost your system's performance, speed, and multi-tasking capabilities with the 512GB VPN100 M.2 2280 PCIe SSD from Patriot. Designed for gamers, tech enthusiasts, content creators, and video rendering professionals, the VPN100 uses a PCIe Gen3 x4, NVMe 1.3 interface to deliver read and write speeds of up to 3000 and 1000 MB/s respectively. The drive's design includes a built-in aluminum heatshield and six fins for efficient thermal dissipation, and an external thermal sensor to reduce the risk of overheating. Applications include all-in-one PC kits, small-form-factor systems, and high-performance gaming PC builds.
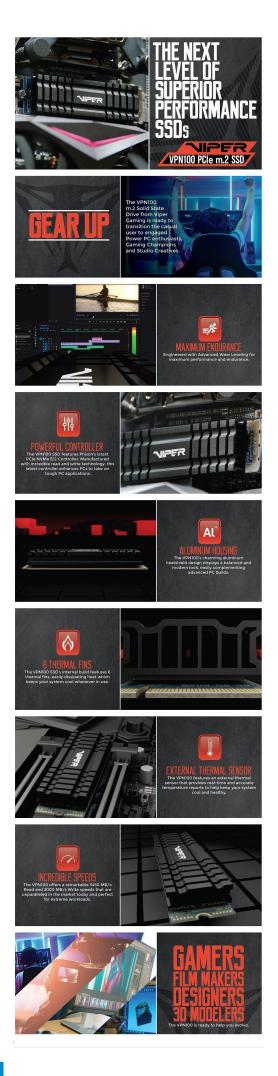
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Features

Features:

- 512GB Storage Capacity
- M.2 2280 Form Factor
- PCIe Gen 3 x4, NVMe 1.3 Interface
- 3000 MB/s Read Speed
- 1000 MB/s Write Speed
- Phison E12 Controller
- 512MB DRAM Cache
- Aluminum Heatshield and Thermal Fins
- External Thermal Sensor

THE NEXT LEVEL OF SUPERIOR PERFORMANCE SSDs

VIPER
VPN100 PCIe m.2 SSD

GEAR UP

The VPN100 m.2 Solid State Drive from Viper Gaming is ready to transition the casual user to engaged Power PC enthusiasts, Gaming Champions and Studio Creatives.

MAXIMUM ENDURANCE
Engineered with Advanced Wear Leveling for maximum performance and endurance.

POWERFUL CONTROLLER
The VPN100 SSD features Phison's latest PCIe NVMe E12 Controller. Manufactured with incredible read and write technology, this latest controller enhances PCs to take on tough PC applications.

ALUMINUM HOUSING
The VPN100's charming aluminum heatshield design displays a balanced and modern look, easily complementing advanced PC builds.

6 THERMAL FINS
The VPN100 SSD's internal build features 6 thermal fins, easily dissipating heat which keeps your system cool whenever in use.

EXTERNAL THERMAL SENSOR
The VPN100 features an external thermal sensor that provides real-time and accurate temperature reports to help keep your system cool and healthy.

INCREDIBLE SPEEDS
The VPN100 offers a remarkable 3450 MB/s Read and 3000 MB/s Write speeds that are unparalleled in the market today and perfect for extreme workloads.

GAMERS FILM MAKERS DESIGNERS 3D MODELERS
The VPN100 is ready to help you evolve.

4/20/24

Specifications:

Model

Brand   Patriot

Series   VPN100

Model   VPN100-512GM28H

Device Type   Internal Solid State Drive (SSD)

Used For   Consumer

Details

Form Factor   M.2 2280

Capacity   512GB

Interface   PCIe Gen3 x4, NVMe 1.3

Controller   Phison E12

Cache   512MB

Performance

Max Sequential Read   Up to 3000 MBps

Max Sequential Write   Up to 1000 MBps

4KB Random Read   Up to 300,000 IOPS

4KB Random Write   Up to 250,000 IOPS

MTBF   2,000,000 hours

HeatSink   Yes

Features

Viper Gaming's VPN100 delivers the perfect combination across ultimate performances, ultra-fast speeds, and multi-tasking capabilities. 5x faster than SATA SSDs, VPN100 is the best-in-class reliability SSD for gamers, tech enthusiasts, content creators, and video rendering professionals looking into blazingly fast start up times and instantaneous access to their data for better productivity.

Features   Viper VPN100 m.2 SSD is designed with an External Thermal Sensor which diminishes risk of overheating and eliminates performance drops, as well as includes built-in aluminum heatshield and 6 thermal fins providing excellent thermal dissipation. VPN100 delivers superior performance and maximum reliability, becoming the best solution for all-in-one PC kits, small form-factor, or high-performance gaming PC builds.

Environmental

Operating Temperature   0°C ~ +70°C

Dimensions & Weight

Height   12.00mm

Width   22.00mm

Depth   80.00mm

Weight   25.00g

Additional Information

Brand	Patriot
SKU	VPN100-512GM28H
Weight	0.5000
Color	Black
Storage Type	M.2 SSD
Storage Form Factor	M.2 2280
Storage Capacity	256GB