M.2 PCIe SSD
PCIe Gen 3x4

SSD | P30

Team Solid State Disk M.2 PCIe SSD P30

The Team Group now release M.2 PCI-e SSD – P30 . P30 supports the new generation PCI-e Gen3 x4 high speed interface and the latest NVMe specification. Besides its powerful superior read/write speed, with its outstanding performance of sequential read/write speed up to 2500/1350 MB/s, and random read/write speed up to 180K/140K IOPS, it is still able to reduce operating delays of the operating system and game/software, and delivers the finest and smoothest gaming experience and an extreme high speed performance without any lag even reading/writing large amounts of game data, complex 3D graphics and motion processing algorithms with fancy special effects, or loading heavy duty video/graphics editing software.
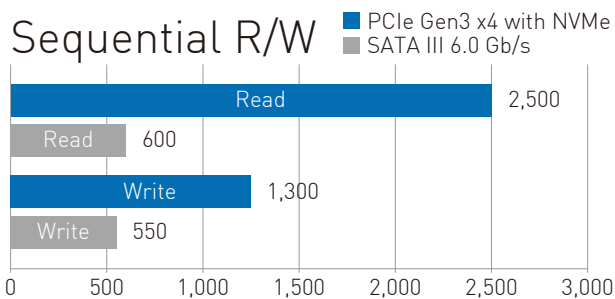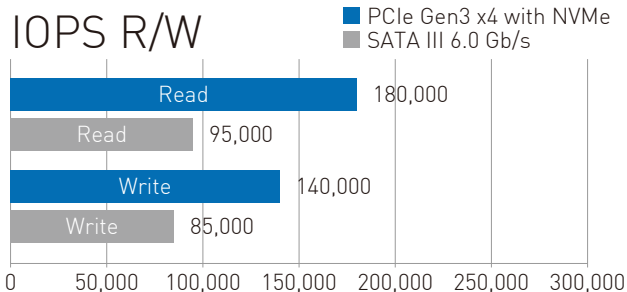
NVMe - No more lag

M.2 PCI-e SSD –P30 supports the latest NVMe specification. The system communicates with it through PCI-e bus and connects to the built-in PCI-e controller of the chipset or processor, so the signal transfer is as simple and precise as point to point. M.2 PCI-e SSD – P30 offers you a pleasant high performance transfer experience, without a bit of lag or delay.

Sequential R/W

■ PCIe Gen3 x4 with NVMe
■ SATA III 6.0 Gb/s

	Value
Read	2,500
Read	600
Write	1,300
Write	550

0   500   1,000   1,500   2,000   2,500   3,000

IOPS R/W

■ PCIe Gen3 x4 with NVMe
■ SATA III 6.0 Gb/s

	Value
Read	180,000
Read	95,000
Write	140,000
Write	85,000

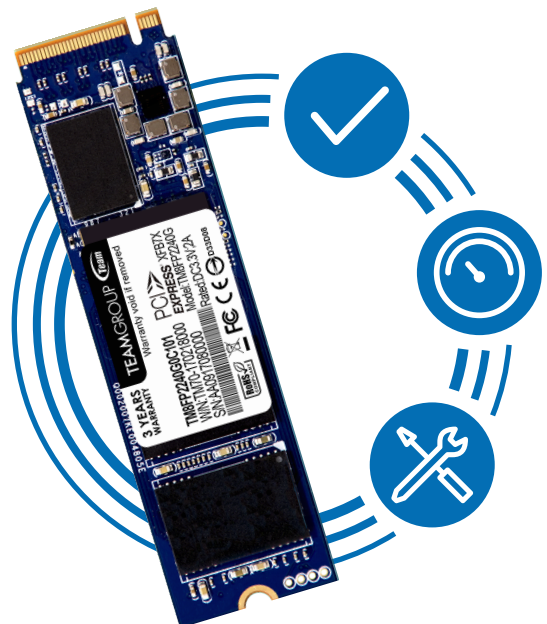0   50,000   100,000   150,000   200,000   250,000   300,000

Transfer speed is 4 times higher than the SATA III interface

The transfer speed of traditional solid state drive is limited within SATA's 6Gb/s bandwidth, therefore consumers have gradually shifted to PCI-e interface, which is capable of offering higher transfer speed. Due to this fact, M.2 PCI-e SSD – P30 is using PCI-e Gen3 x 4 high speed transfer interface. With the support of PCI-e bus bandwidth, it can offer consumers a stable transfer speed of at least 1000MB/s,or up to over 2000MB/s. The transfer speed is 4 times higher than SATA 6GB/s interface and allows consumers to enjoy the high speed multimedia entertainment experience.
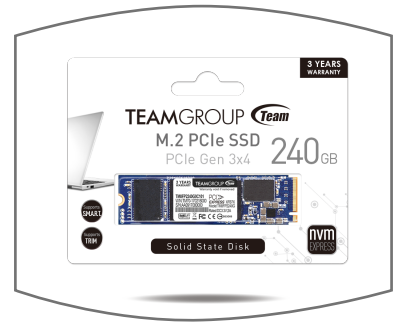
Smart technology – dependable reliability

M.2 PCI-e SSD – P30 supports S.M.A.R.T function and its built-in smart algorithm management mechanism has functions such as GC (garbage collection) and TRIM command which are able to ensure operation efficiency, prolong the service life of the SSD and bring it to its maximum performance. Meanwhile, the powerful Wear-Leveling technology and ECC (Error Correction Code) function improve the accuracy and reliability of data transfer.

Main Feature

☐ Extreme read/write speed – Over 2500MB/s of read speed can enhance the speed and performance of the overall system.

☐ NVMe interface – Support latest NVMe specification.

☐ Support S.M.A.R.T. technology – Monitoring hard drive status efficiently.

☐ Support TRIM – Bring out its best performance on the compatible operating system.

☐ Product warranty – 3 years product warranty. Free technical support service.

Specification

Item	Specification
Model	P30
Interface	PCIe 3.0 x4 with NVMe 1.2
Capacity	240/480GB
Voltage	DC +3.3V
Operation Temperature	0˚C to 70˚C
Storage Temperature	-40˚C ~ 85˚C
Performance	Crystal Disk Mark : 240GB Read/Write : up to 2500/1300 MB/s* 480GB Read/Write : up to 2500/1350 MB/s* IOPS : 240GB/480GB Read/Write : 180K/140K IOPS Max*
Weight	16g
Dimensions	80.00mm (L) x 22.00mm (W) x 3.10mm (H)
Humidity	RH 90% under 40°C (operational)
Vibration	80Hz~2000Hz/20G
Shock	1500G/0.5ms
MTBF	2,000,000 hours

Operation System	1. System Requirements
	     Windows 10, Windows 8, Windows 7, Windows Vista
	     Linux 2.6.33 or later
	 2. This product has a heat sink, recommended the use of desktop or gaming NB and non-ultra-thin notebook to use.

Write Protect	
LED Reveal	N/A
Warranty	3-year limited warranty

Notes: *1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes / 1024 / 1024 / 1024 = 0.93GB
**Transmission speed will vary according to different hardware / software conditions, therefore the data can only used for basic reference.

※We reserve the right to modify product specifications without prior notice.

Ordering Information

Team P/N	Capacity	Description
TM8FP2240G0C101	240GB	TEAM M.2-2280 PCI-E Gen3x4 240GB RETAIL
TM8FP2480G0C101	480GB	TEAM M.2-2280 PCI-E Gen3x4 480GB RETAIL

Above technical information is based on industry standard data and tested to be reliable. However, Team makes no warranty, either expressed or implied, as to its accuracy and assumes no liability in connection with the use of this product.