# SSD | MP33
# M.2 PCIe Gen3

**Supports S.M.A.R.T.**  **Supports TRIM**  **nvm EXPRESS**

TEAMGROUP MP33 M.2 PCIe Solid State Drive uses high speed PCIe Gen3 x4 interface and complies with the NVMe 1.3 standard. With 3D nand flash memory, the transfer speed is 3 times faster than SATA III. Suitable for players who have needs in speed, and it is the top choice when it comes to upgrading PC/laptop.

## Main Feature

- Using new generation of 3D flash memory
- PCIe interface – Supports latest NVMe 1.3 protocol.
- M.2 2280 specification: Supports the next-generation platforms of Intel and AMD. Suitable for both desktop and notebook.
- Supports SLC Caching technology.
- 5-year product warranty. Free technical support service

## Ordering Information

| Capacity | Team P/N |
|----------|----------|
| 128GB | TM8FP6128G0C101 |
| 256GB | TM8FP6256G0C101 |
| 512GB | TM8FP6512G0C101 |
| 1TB | TM8FP6001T0C101 |



## Specification

| | |
|---|---|
| Interface | PCIe 3.0 x4 with NVMe 1.3 |
| Capacity | 128GB / 256GB / 512GB / 1TB[1] |
| Color | Blue / Black |
| Voltage | DC +3.3V |
| Operation Temperature | 0°C ~ 70°C |
| Storage Temperature | -40°C ~ 85°C |
| Terabyte Written | 128GB / >100TB<br>256GB / >200TB<br>512GB / >400TB<br>1TB / >600TB[2] |
| Performance | Crystal Disk Mark:<br>128GB Read/Write: up to 1,500/500 MB/s<br>256GB Read/Write: up to 1,600/1,000 MB/s<br>512GB Read/Write: up to 1,700/1,400 MB/s<br>1TB Read/Write: up to 1,800/1,500 MB/s[3]<br><br>IOPS:<br>128GB Read/Write: 90K/100K IOPS Max<br>256GB Read/Write: 160K/200K IOPS Max<br>512GB Read/Write: 220K/200K IOPS Max<br>1TB Read/Write: 220K/200K IOPS Max[3] |
| Weight | 6g |
| Dimensions | 80(L) x 22(W) x 3.8(H) mm |
| Humidity | RH 90% under 40°C (operational) |
| Vibration | 80Hz~2,000Hz/20G |
| Shock | 1,500G/0.5ms |
| MTBF | 1,500,000 hours |
| Operating System | System Requirements:<br>• Windows 10 / 8.1 / 8 / 7[4]<br>• Linux 2.6.33 or later |
| Warranty | 5-year limited warranty |

[1] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.93GB
[2] Definition and conditions of TBW (Terabytes Written)are based on JEDEC standard
[3] Transmission speed will vary according to different hardware/software conditions, therefore the data can only use for basic reference.
[4] PCIe SSD works best under WIN8.1 and WIN10 operating system. Windows Operating Systems earlier than Windows 8.1 does not support NVMe Driver natively. Users will need to install NVMe Driver prior installing the SSD.
※We reserve the right to modify product specifications without prior notice.