

P/N: STNGFFM228I8M-256

SEMITANK SSD 2280 M2 I8 256GB

**DESCRIPTION**

I8 Industrial Series 256GB is an SSD hard drive using a connection interface SATA III 6Gbps controller. This is a SSD that delivers read/write speeds up to 550/500 MBps and Support TRIM, NCQ, S.M.A.R.T, ECC, Wearleveling. System Support: Windows XP/Win7/8/10/11, Mac OS, Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control.

**Precautions:**

[1] The speed was tested by Semitank and for the reference only.

[2] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.93GB

[3] Definition and conditions of TBW (Terabytes Written) are based on JEDEC standard

[4] Transmission speed will vary according to different hardware/software conditions, therefore the data can only use for basic reference.

**NOTES:**

[5] We reserve the right to modify product specifications without prior notice.

[6] Different devices may have a different best format for usage. It is recommended to format the device before use to ensure the correctness and the integrity of the SSD.

[7] (1): We can use any of the above driver ICs. Basically, they do not change the performance and basic specifications.

[8] (2): We may change any type of memory chip for any product line without notice.

**SPECIFICATIONS**

|                            |                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series:                    | I8 Industrial Series                                                                                                                                         |
| Model:                     | SSD 2280 M2 I8 256GB                                                                                                                                         |
| Capacity:                  | 256GB                                                                                                                                                        |
| Performance Read/Write:    | 550/500 MBps                                                                                                                                                 |
| Interface:                 | SATA III 6Gbps                                                                                                                                               |
| Controller: <sup>(1)</sup> | SMI: SM2246XT                                                                                                                                                |
| NAND: <sup>(2)</sup>       | Intel/Micron 2D MLC Nandflash Original chip                                                                                                                  |
| Support:                   | Support TRIM, NCQ, S.M.A.R.T, ECC, Wearleveling                                                                                                              |
| Support Computer:          | - Desktop<br>- Laptop<br>- AIOs<br>- Server<br>- Industrial Computer<br>- Commercial Computer<br>- Consumer Computer                                         |
| System Support:            | Windows XP/Win7/8/10/11, Mac OS, Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control. |
| Operating Voltage:         | 3.3V                                                                                                                                                         |
| Dimensions:                | 80mm*22mm*3.2mm                                                                                                                                              |
| Operating Temperature:     | 0 - 70°C                                                                                                                                                     |
| Storage Temperature:       | -40 - 85°C                                                                                                                                                   |
| Humidity:                  | 0°C ~ 50°C/5% ~ 95% RH, non-condensing                                                                                                                       |
| Warranty:                  | Lifetime warranty – 36 months                                                                                                                                |
| Quality Certification:     | CE, FCC, ROHs                                                                                                                                                |