

Hypertec FirestormLite® Solid State Drive

Available Form Factors:

2.5"

M.2 NVMe Gen 3 & Gen 4

M.2 SATA



Instant, Cost-Effective Performance

The FirestormLite® range from Hypertec is a low-cost, performance enhancing SSD family. It is [the perfect option to upgrade machine storage cost-effectively](#). Deploying SSD technology in a system not only instantly improves the reliability of the machine, but also provides a noticeable boost to the way the computer accesses and uses files.

Lightning Fast

FirestormLite® SSDs are [faster, more reliable, and far more energy efficient](#) than standard Hard Drives. Ultra-fast boot times, quicker application load times, and significantly lower power consumption are just some of the benefits of upgrading to a Solid State Drive.

Versatile, Simple and Reliable

FirestormLite® M.2 SSDs are especially designed for small form factor applications such as ultra-thin mobile devices. Available in a multitude of form factors, protocols, and connectivity, providing [robust performance reliability that can be easily integrated into existing storage infrastructures](#).

Easily Find Your Perfect Match

FirestormLite® SSDs can also be matched to your machine as an OEM compatible solution. Simply click the Hypertec Configurator link and search for your device by category. [Call your Hypertec Account Manager today to find out more.](#)

Features:

- ✓ 3 Year Warranty includes Free Lifetime Technical Support
- ✓ Matched options available
- ✓ Suitable for both client SSDs as well as NAND-cache drives
- ✓ Noise and vibration free for completely silent computing
- ✓ Zero moving parts prevent mechanical malfunctions and extend product life
- ✓ S.M.A.R.T. self-monitoring attributes improve reliability

100%
Universally
Compatible

▶ [Hypertec® Configurator](#)

Hypertec FirestormLite™

2.5"



| | | NAND | Controller | Read/ Write Speed |
|--------|----------------------|--------|------------|----------------------|
| 120GB | SSD2S120FS-L | 3D TLC | SM2258XT | 550/400(MB/s) |
| 240GB | SSD2S240FS-L | 3D TLC | SM2258XT | 520/420(MB/s) |
| 480GB | SSD2S480FS-L | 3D TLC | SM2258XT | 520/450(MB/s) |
| 960GB | SSD2S960FS-L | 3D TLC | SM2258XT | 560/480(MB/s) |
| 2000GB | SSD2S2000FS-L | 3D TLC | SM2258XT | 560/520MB/S |

M.2 NVMe Gen3x4



| | | | | |
|-------|---------------------------|--------|----------|-----------------|
| 128GB | SSDM2128M2280FS-L | 3D TLC | SM2263XT | 1775/550(MB/s) |
| 256GB | SSDM2256M2280FS-L | 3D TLC | SM2263XT | 1941/1000(MB/s) |
| 512GB | SSDM2512M2280FS-L | 3D TLC | SM2263XT | 1929/1500(MB/s) |
| 1 TB | SSDM21000M2280FS-L | 3D TLC | SM2263XT | 2132/1600(MB/s) |
| 2 TB | SSDM22000M2280FS-L | 3D TLC | SM2263XT | 3500/3100(MB/s) |

M.2 NVMe Gen4x4



| | | | | |
|-------|-----------------------------|--------|--------|-----------------|
| 512GB | SSDM2P4512M2280FS-L | 3D TLC | IG5236 | 7100/2600(MB/s) |
| 1 TB | SSDM2P41000M2280FS-L | 3D TLC | IG5236 | 7400/5200(MB/s) |
| 2 TB | SSDM2P42000M2280FS-L | 3D TLC | IG5236 | 7400/6700(MB/s) |

M.2 SATA



| | | | | |
|-------|----------------------------|--------|----------|---------------|
| 120GB | SSDM2120BM2280FS-L | 3D TLC | SM2259XT | 520/420(MB/s) |
| 240GB | SSDM2240BM2280FS-L | 3D TLC | SM2259XT | 520/470(MB/s) |
| 480GB | SSDM2480BM2280FS-L | 3D TLC | SM2259XT | 520/470(MB/s) |
| 1 TB | SSDM21000BM2280FS-L | 3D TLC | SM2259XT | 520/470(MB/s) |

Form Factors

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Weight

2.5": <80g
M.2: <40g

Power Consumption

Typical (mW) <2.5W(2.5") <4W(M.2)
Sleep: 50mW(2.5")

Operating Temperature

0°C to 70°C

Host Interface

- ✓ Industrial Standard SATA Revision 3/1 compliant
- ✓ Industrial Standard ATA/ATAPI-8 and ACS2 command compliant
- ✓ SATA 3.1 compliant, 6GB/s, 3GB/s and 1.5GB/s support
- ✓ Native Command Queuing: 32
- ✓ SATA Device Sleep (DevSleep)
- ✓ Data Set Management Command (TRIM)
- ✓ S.M.A.R.T. Attributes
- ✓ Supports PHY Sleep mode (CFast PHYSLP)
- ✓ Supports 28-bit and 48-bit LBA (Logical Block Addressing) mode commands