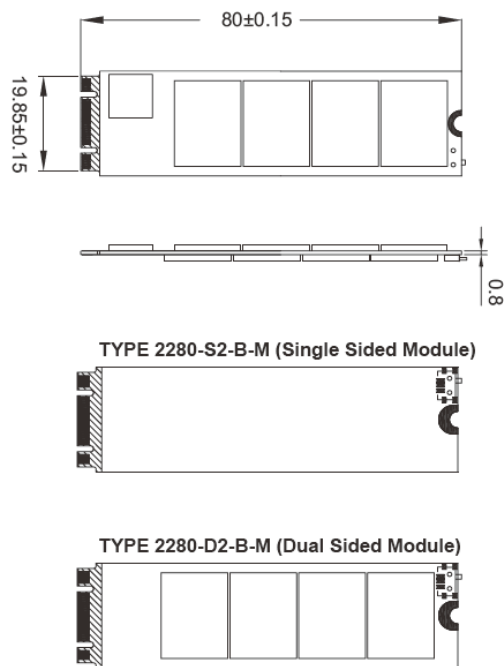


M.2 SATA (2280) Series



The MemxPro M.2 SATA (2280) series complies with the M.2 (NGFF) standard for width-length of 22mm wide and 80mm long. The M.2 specifications provide different thicknesses – single-sided versions and dual-sided versions. MemxPro M.2 SATA (2280) series is able to deliver exceptional read/write speeds, making it ideal for use in heavy-loading and multi-tasking applications, or for new embedded motherboards in the next generation of computing platform upgrades.

- Compliant with M.2 (NGFF) standard of 22mm wide by 80mm long (2280).
- Ultra-thin design for single-sided versions and double capacity for dual-sided versions.
- SATA III interface running at up to 6Gb/s.
- SLC/StrongMLC/MLC versions in standard, extended, and industrial grade temperature ranges.
- Global wear leveling, bad block management with built-in ECC, and optional security features.
- SMARTPro device monitoring tool or SDK library support.



Product Model	M.2 SATA M3B (2280)	M.2 SATA G3B (2280)	M.2 SATA S3B (2280)
Interface	SATA III	SATA III	SATA III
Form Factor	M.2 SATA (2280/S2/D2)	M.2 SATA (2280/S2/D2)	M.2 SATA (2280/S2/D2)
Flash Type	MLC	StrongMLC	SLC
Max. Channel	4	4	4
Density	32GB~512GB	16GB~256GB	8GB~128GB
Sequential R/W (MB/sec, max.)	505/331	514/421	514/421
Operating Temperature	0°C~+70°C/-25°C~+85°C/-40°C~+85°C		
Max. Power Consumption	3.3W (3.3Vx1.0A)		
Dimensions (LxWxH/mm)	22x80x2.15 / 22x80x3.5		
Operating Voltage	3.3V±5%		
Storage Temperature	-55°C~+95°C		
External DRAM Buffer	N/A	N/A	N/A
Thermal Sensor	✓	✓	✓
DEVSLP Mode	<5mW		
ATA Security	✓	✓	✓
S.M.A.R.T.	✓	✓	✓
TRIM	✓	✓	✓
Vibration	20G (7~2K Hz)		
Shock Resistance	1500G@0.5ms		
MTBF	>3 million hours		

Note: SLC products are supported upon request with MOQ requirement.

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