

Apacer

Speed Up, Slim Down for Smarter Everyday Computing

AST280X M.2 SATA III SSD

AST280X is an M.2 SATA SSD that offers the perfect balance of slim design and reliable performance. It is specifically designed for users looking to **upgrade aging laptops, support educational systems, or build entry-level commercial devices.**

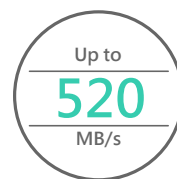
With an ultra-slim M.2 form factor and SATA III 6.0 Gb/s interface, it delivers read/write speeds of up to 520/500 MB/s and supports capacities up to 2TB. Built-in data protection technologies such as Wear Leveling and Intelligent Block Management further enhance stability and endurance, making it a dependable choice for a wide range of everyday computing applications.

Key Features

- Ultra-slim M.2 form factor and compatible with SATA III 6.0 Gb/s interface
- Read/Write speed up to 520/500 MB/s
- Capacities up to 2TB
- Built-in data protection mechanism such as Wear Leveling and Intelligent Block Management



SATA III Interface



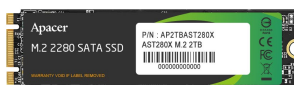
R/W speed up to 520 MB/s



Capacities up to 2TB



Data Protection Mechanism



Specifications

- Model : AST280X
- Capacity : 128GB/256GB/512GB/1TB/2TB
- Interface : SATA III
- NAND Flash : 3D NAND
- Sequential Read/Write (MB/s) (Max)* : 520/500
- IOPs (4K Random Write) : Up to 74K
- Shock : 1,500G/0.5 msec
- MTBF (Hours) : >1,500,000
- Standard Operating Temperature (°C) : 0°C ~ 70°C
- Storage Temperature (°C) : -40°C ~ 85°C
- Dimensions (mm) : (L)80.00 x (W)22.00 x (H)2.25
- Weight : 6.8g
- Certificate : CE, FCC, BSMI, VCCI, UKCA
- Warranty : 3 years or TBW, whichever occurs first

Performance*

Capacity	Sequential Performance (Up to)		4K Random (Up to)		Endurance
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	Terabytes Written (TBW)
128GB	520	500	25K	72K	70
256GB	520	500	44K	74K	140
512GB	520	500	44K	73K	280
1TB	520	500	49K	73K	420
2TB	520	500	49K	73K	840

*The performance may vary due to host hardware, software, usage and storage capacity.

Ordering Information

Capacity	Part Number	EAN Code
128GB	AP128GAST280X-1	4712389921475
256GB	AP256GAST280X-1	4712389921482
512GB	AP512GAST280X-1	4712389921499
1TB	AP1TBAST280X-1	4712389921505
2TB	AP2TBAST280X-1	4712389921512



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