



Ultra Thin, Ultra Fast

Read Up to **550** MB/s | Write Up to **520** MB/s | **3D TLC**

AST280 M.2 SATA III SSD

AST280 is 22mm wide and 80mm long with a maximum read/write speed of 550/520 MB/s. It can effectively reduce system response time and accelerate the processing performance of multimedia programs.

Features

- Compatible with SATA III 6.0 Gb/s Interface
- Sequential Read/Write Speed up to 550/520MB/s
- Supports SATA Power Management

Specifications

- Form Factor : M.2 2280
- Interface : SATA III 6Gb/s
- Capacity : 120GB / 240GB / 480GB
- NAND Flash : 3D TLC
- MTBF : 1,500,000 hours
- Temperature Range
 - Standard Operating : 0°C ~ +70°C
 - Storage : -40 ~ +85°C
- Shock : 1500G/0.5msec
- Dimensions (L x W x H)
 - Single side : 80.00 x 22.00 x 2.25mm
 - Double side : 80.00 x 22.00 x 3.50mm
- Weight : 7g
- Warranty : 3 Years Limited

Performance*

Capacity	Sequential Performance (Up to)		4K Random (Up to)		Endurance (TBW)
	Read (MB/s)	Write (MB/s)	Read (IOPS)	Write (IOPS)	
120GB	550	500	38K	75K	70
240GB	550	520	38K	75K	140
480GB	550	520	87K	80K	280

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

Ordering Information

Capacity	Part Number	EAN Code
120GB	AP120GAST280-1	4712389914095
240GB	AP240GAST280-1	4712389914101
480GB	AP480GAST280-1	4712389914378

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