

Apacer

STAY COOL. LEVEL UP.

AG2280P4U

M.2 PCIe Gen3 x4 Gaming SSD



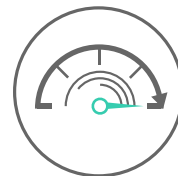
AG2280P4U M.2 PCIe Gen3 x4 Gaming SSD

Built to elevate your gaming experience, the **AG2280P4U** gaming SSD balances reliable performance with efficient thermal management. Combining a PCIe Gen3 interface with an aluminum heat spreader, it reduces operating temperatures by up to 25%—ensuring your system stays cool and stable during extended gaming sessions.

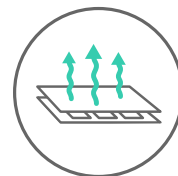
Stay cool. Level up. Built for gamers who demand consistent, unstoppable performance.

Key Features

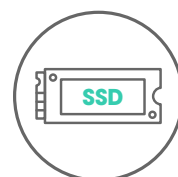
- PCIe Gen3 x4 interface with full NVMe 1.3 compliance
- Sequential read/write speeds up to 3500/3000 MB/s
- Aluminum heat spreader reducing operating temperatures by up to 25%
- Advanced SLC Caching and LDPC ECC for rock-solid stability
- Up to 2TB capacity supporting gaming console expansion



High-Speed
Performance



Superior
Heat Dissipation



Massive Storage
Capacity



Selling Points

Speed Unleashed

Boost your gaming experience with sequential read/write speeds of up to 3500/3000 MB/s, enabling faster loading, quicker response, and smoother gameplay.



Cool Under Pressure

The aluminum heat spreader delivers efficient cooling, reducing temperatures by up to 25% to maintain stable performance during intense gaming.

Rock-Solid Defense

LDPC ECC and End-to-End Data Protection protect data integrity, while SMART Read Refresh™, S.M.A.R.T., SLC Caching, and Wear Leveling technologies deliver stable performance and long-lasting SSD reliability.



Specifications

- Model : AG2280P4U
- Capacity : 256GB/512GB/1TB/2TB
- Interface : PCIe Gen3 x4
- NAND Flash : 3D NAND
- Sequential Read/Write (MB/s) (Max)** : 3500/3000
- IOPs (4K Random Write) : Up to 360K
- Shock : 1500G/0.5 msec
- MTBF (Hours) : > 1,800,000
- Standard Operating Temperature (°C) : 0°C ~ 70°C
- Storage Temperature (°C) : -40°C ~ 85°C
- Dimensions (mm) :
 - Single side : (L)80.00 x (W)22.00 x (H)3.75
 - Double side : (L)80.00 x (W)22.00 x (H)5.0
- Weight : 10.3g
- Certificate : CE, UKCA, FCC, VCCI, BSMI, RoHS
- Warranty : 5 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)
256GB	3500	1200	210K	315K	170
512GB	3500	2300	400K	600K	350
1TB	3500	3000	670K	670K	760
2TB	3500	3000	700K	680K	1300

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

Ordering Information

Capacity	Part Number	EAN Code
256GB	AP256GAG2280P4U-1	4712389922007
512GB	AP512GAG2280P4U-1	4712389922014
1TB	AP1TBAG2280P4U-1	4712389922038
2TB	AP2TBAG2280P4U-1	4712389922021