

Apacer

BORN COOL. BUILT FAST.

AG2280Q4X

M.2 PCIe Gen4 x4 Gaming SSD



AG2280Q4X M.2 PCIe Gen4 x4 Gaming SSD

Engineered to redefine your gaming limits, the **AG2280Q4X** gaming SSD perfectly balances relentless speed with exceptional thermal management. Combining an advanced graphene heat spreader with blazing PCIe Gen4 responsiveness, it effectively prevents thermal throttling, ensuring your system remains ice-cold during intense, high-speed operations.

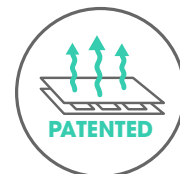
Born cool. Built fast. Crafted for those who demand elite performance.

Key Features

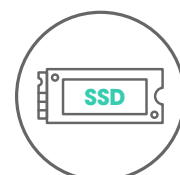
- PCIe Gen4 x4 interface with full NVMe 1.4 compliance
- Sequential read/write speeds up to 5000/4400 MB/s
- Stacked heat spreader design reduces temperatures by up to 10%
- Graphene heat spreader with patented sealed-edge design
- Up to 4TB capacity for massive game storage
- SLC Caching technology for stable gaming performance



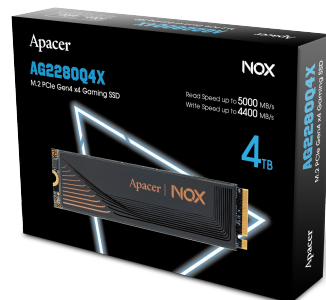
High-Speed
Performance



Graphene
Heat Spreader



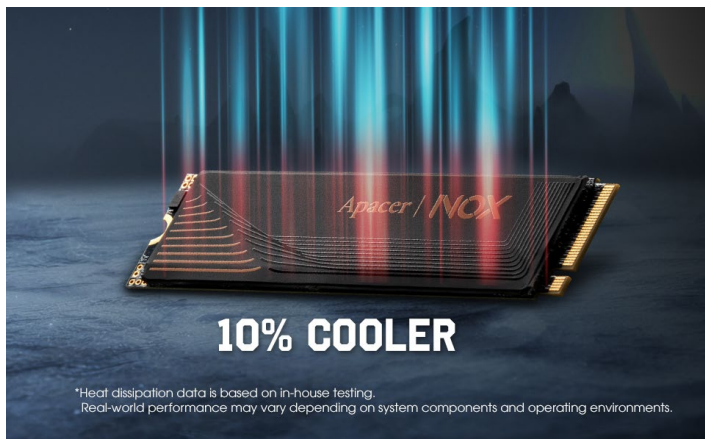
Massive Storage
Capacity



Selling Points

Instant-Loading Power

Read/write speeds of up to 5000/4400 MB/s and jump into the action instantly.

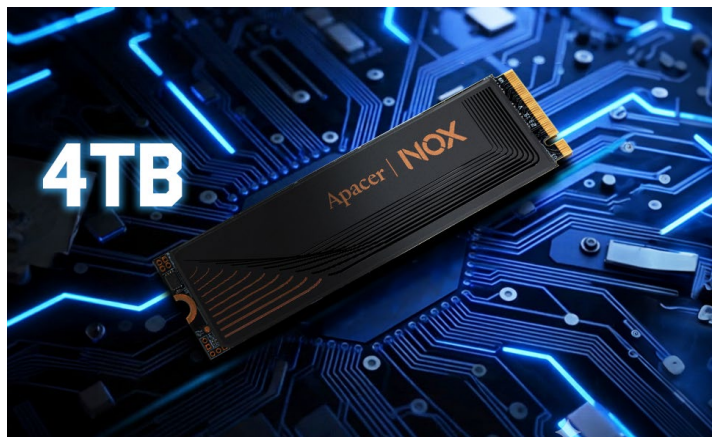


Ice-Cold Under Fire

Stacked graphene heat spreader reduces operating temperatures by up to 10%, keeping your system stable through intense gaming.

Massive Gaming Vault

Keep the entire gaming collection and media in one place. With 4TB of capacity, all content is ready for instant access.



Reliable Gaming for Total Stability

Play with confidence. LDPC ECC and End-to-End Data Protection safeguard your data, while SMART Read Refresh™ and S.M.A.R.T. ensure long-term SSD reliability.

Specifications

- Model : AG2280Q4X
- Capacity : 512GB/1TB/2TB/4TB
- Interface : PCIe Gen4 x4
- NAND Flash : 3D NAND
- Sequential Read/Write (MB/s) (Max)** : 5000/4400
- IOPs (4K Random Write) : Up to 750K
- Shock : 1500G/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) :
 - Single side : (L)80.00 x (W)22.00 x (H)2.25
 - Double side : (L)80.00 x (W)22.00 x (H)3.50
- Weight :
 - Single side : 7.6g
 - Double side : 10.2g
- 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)
512GB	4500	2500	150K	300K	300
1TB	5000	4400	750K	750K	600
2TB	5000	4400	750K	750K	1200
4TB	5000	4400	750K	750K	1200

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

Ordering Information

Capacity	Part Number	EAN Code
512GB	AP512GAG2280Q4X-1	4712389921970
1TB	AP1TBAG2280Q4X-1	4712389921987
2TB	AP2TBAG2280Q4X-1	4712389921956
4TB	AP4TBAG2280Q4X-1	4712389921963