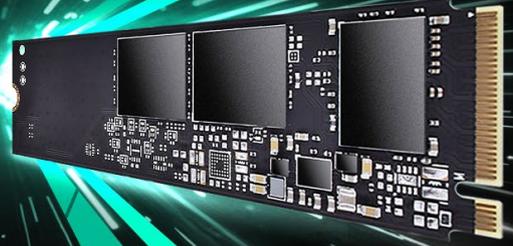


# Apacer

## Blazing-fast Speed, Unparalleled Performance



### AS2280F4L M.2 PCIe Gen5 x4 SSD

The AS2280F4L is built for users demanding top-tier performance—from PC upgraders to gamers and high-performance computing (HPC) professionals. With a PCIe Gen5 x4 interface, it delivers blazing-fast read/write speeds of up to 10500/8700 MB/s. Available in capacities up to 4TB, it handles large files, intensive workloads, and high-speed data transfers with ease. Its advanced nanometer process design minimizes power consumption and enables consistent performance without the need for active cooling—making it ideal for compact systems and thermal-sensitive builds. The AS2280F4L delivers a highly reliable and high-performance storage solution for next-generation speed, expanded capacity, and long-term system stability.

#### Key Features

- PCIe Gen5 x4 interface
- Read/Write speed up to 10500/8700 MB/s
- Capacities up to 4TB
- Built-in data protection mechanism
- Low power consumption reduces energy use by up to 45%, without the need for active cooling



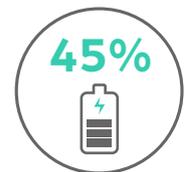
PCIe Gen5 x4 Interface



Lightning-fast R/W Speed



Capacities Up to 4TB



Save Power Up to 45%



## Selling Points

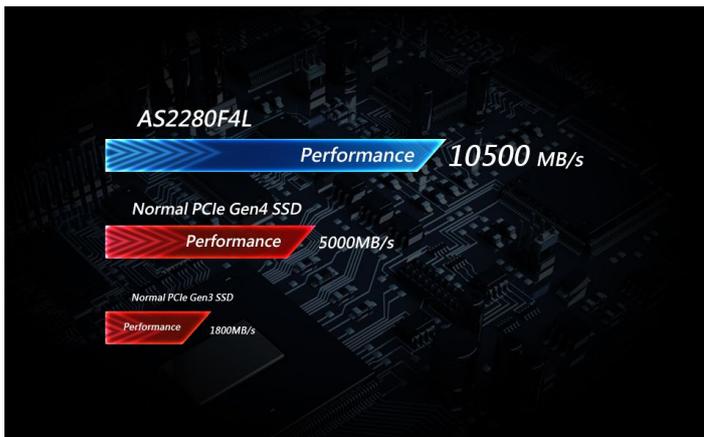
### Gen5 x4 Interface, Built for Future Trends

The AS2280F4L features a PCIe Gen5 interface, offering greater bandwidth and speed for high-performance computing, making it ideal for **PC upgraders and gamers** seeking faster load times and smoother gameplay.



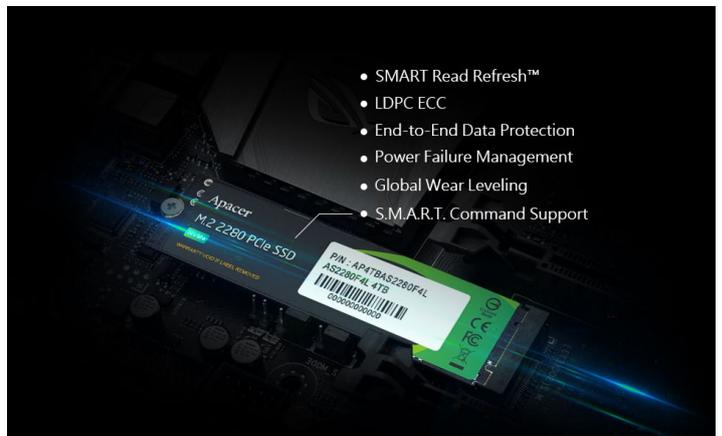
### Blazing-fast Speed, Unparalleled Performance

The Gen5 interface delivers higher bandwidth and speed, with the AS2280F4L reaching 10500 MB/s read and 8700 MB/s write — twice as fast as PCIe Gen4 and four times faster than Gen3.



### Data Protection Mechanism Delivers Consistent Performance

The AS2280F4L features **built-in data protection and error correction**, enhancing NAND durability while ensuring data accuracy and stability.



### Less Power, More Performance

Its breakthrough nanometer process delivers top-tier performance with low power consumption. It **reduces power usage by 45% compared to previous Gen5 SSD**, offering lightning-fast speed and extended endurance.



# Specifications

- Model : AS2280F4L
- Capacity : 1TB/2TB/4TB
- Interface : PCIe Gen5 x4
- NAND Flash : 3D NAND
- Sequential Read/Write (MB/s) (Max)\* : 10500/8700
- IOPs (4K Random Write) : Up to 1500K
- 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) : (L)80.00 x (W)22.00 x (H)2.38
- Weight : 6g
- Certificate : CE, FCC, BSMI, VCCI, UKCA
- 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)
1TB	10400	8600	1300K	1500K	600
2TB	10500	8700	1300K	1500K	1200
4TB	9400	7900	1200K	1400K	2400

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

# Ordering Information

Capacity	Part Number	EAN Code
1TB	AP1TBAS2280F4L-1	4712389921451
2TB	AP2TBAS2280F4L-1	4712389921468
4TB	AP4TBAS2280F4L-1	4712389921802



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