

POWER

PCIe Gen 5 x 4 M.2 2280 SSD XS90

Beyond Limits. Beyond Speed.



Ultra-Fast



Read up to
14,300 MB/s

Write up to
13,400 MB/s

Large Capacity

4TB



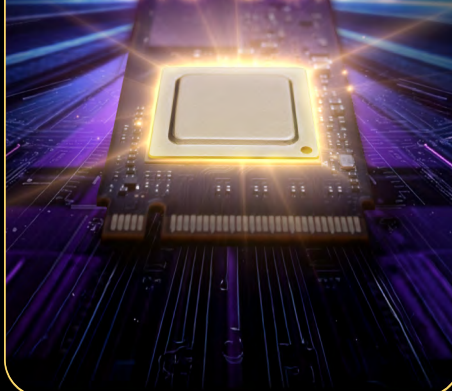
1TB

2TB

4TB

Power-Efficient Performance

**TSMC 6nm
PCIe Gen 5**



Reliable Peak Performance



Gamer



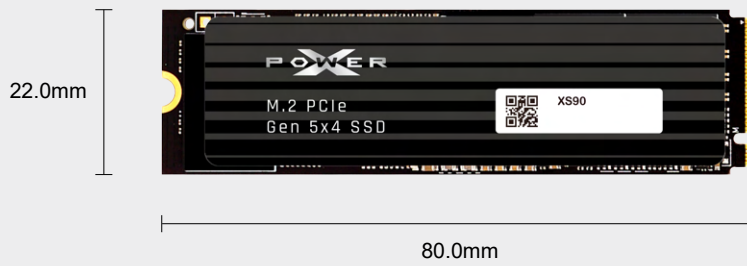
Creator



Power User

Universal Compatibility





PCIe Gen 5 x 4 M.2 2280 SSD XS90

The XS90 Gen 5x4 SSD unleashes next-level performance, with blistering read speeds. Built with a TSMC's advanced 6nm process, it's the ultimate upgrade for gamers, creators, and AI enthusiasts.

Features

- PCIe Gen 5x4 interface with Up to 14,300MB/s and 13,400MB/s write speeds.
- Built-in DRAM LPDDR4 cache for accelerated data access.
- Built using TSMC's advanced 6nm process for high efficiency.
- Capacities up to 4TB for large projects and game libraries.
- Compact M.2 2280 form factor with no heatsink design for maximum compatibility.
- NVMe 2.0 support for next-generation storage capabilities.
- Backed by a 5-year limited warranty for long-term reliability.



Ordering Information

Capacity	Part Number
1TB	SP01KGBP54XS9005
2TB	SP02KGBP54XS9005
4TB	SP04KGBP54XS9005

Specifications

Capacity	1TB, 2TB, 4TB
Dimensions	80mm (l) x 22mm (w) x 2.3mm (h)
Weight	8g
Interface	PCIe Gen 5x4
Form Factor	M.2 PCIe 2280 SSD
Performance Read(max.)	Up to 14,300MB/s
Performance Write(max.)	Up to 13,400MB/s (2TB, 4TB) Up to 10,500MB/s (1TB)
DRAM	Yes (LPDDR4)
Certification	CE / FCC / BSMI / UKCA / RoHS / Green dot / WEEE
Warranty	5 year limited warranty

*Product availability may vary by region.

- Read and write speeds may vary based on device, capacity, and other factors.
- Requires M.2 ('M' Key) to connect to PCIe connector.
- Performance results are based on internal testing and may differ due to host device, usage, capacity, and other variables.
- A portion of storage is reserved for system use, so available capacity will be less. 1GB = 1 billion bytes; some capacities may not be available at launch.
- 1GB equals 1 billion bytes, and 1TB equals 1 trillion bytes. Usable capacity varies depending on the operating environment.

- PCIe Gen 5 technology requires a compatible motherboard but is backward compatible with PCIe Gen 4 and Gen 3 systems.
- Warranty is valid for five years or until the maximum total bytes written (TBW) is reached, as detailed in the product datasheet and SMART data.
- Product availability may vary by region.