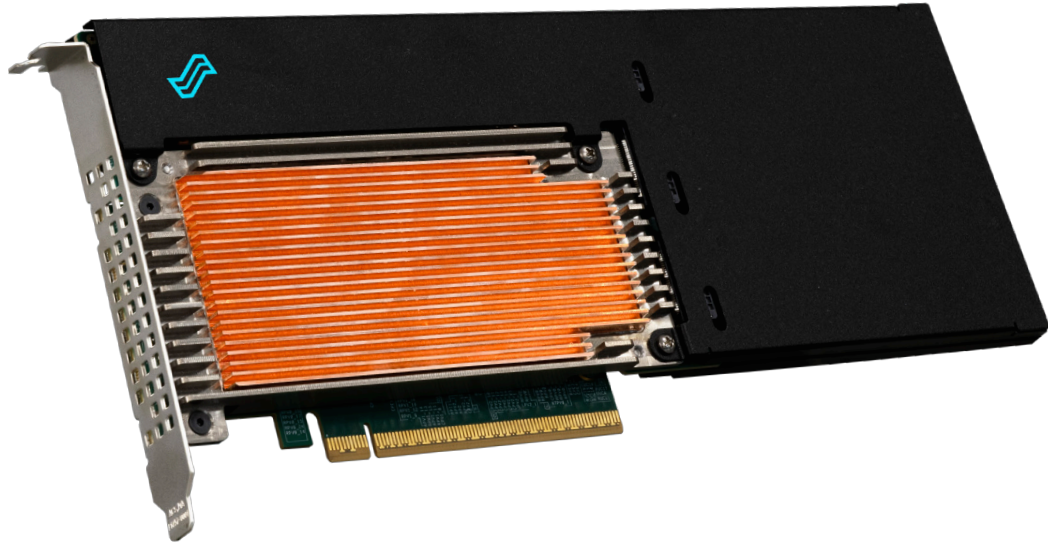




# LIQID AX-5500 IO Accelerator

## Elevate Data Performance



In data-driven environments, unlocking the full potential of data performance is paramount. Introducing the LIQID IO Accelerator AX-5500 — an advanced storage solution engineered to shatter performance barriers and redefine what's possible. Designed to deliver uncompromised data IO performance and responsiveness, the AX-5500 empowers you to accelerate results.

With the capability to deliver an astounding 6 million IOPS of random read performance, coupled with over 48 GB/s of read throughput, it surpasses conventional SSDs, providing the robust foundation your data-intensive applications demand. The ultralow transactional latency of just 15 microseconds ensures that every data interaction occurs at the speed of now.

Storage demands are experiencing exponential growth, and with capacities reaching up to a remarkable 64 TB, the AX-5500 equips you to handle vast datasets without compromise. Whether you're navigating complex simulations, conducting expansive analytics, or managing rich multimedia content, the AX-5500 offers substantial headroom.

- > Ultra Fast PCIe Gen 5.0 x16 Interface
- > Performance of 6 M IOPS and 48 GB/s
- > High-capacity NVMe SSD, up to 61.4 TB
- > Enterprise-class Power Failure Protection

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### Key Features

- |                                |                                    |
|--------------------------------|------------------------------------|
| - Ultra-High Performance       | - Active Power Management          |
| - PCIe 5.0 x16 Interface       | - Advanced ECC and Data Protection |
| - NVMe 1.4 Protocol            | - Advanced Error Recovery          |
| - High Capacity, up to 61.4 TB | - Active Telemetry Monitoring      |
| - Single Width FHFL            | - Low Overhead Architecture        |
| - Plug-n-Play Compatibility    | - No Host CPU or DRAM Off Load     |
| - UEFI Boot Support            | - Software or OS RAID Supported    |
| - Enterprise Grade Reliability | - Data Protection                  |
| - Power Loss Data Protection   |                                    |
| - Active Thermal Throttling    |                                    |



## Technical Specifications

Model	LIQID IO Accelerator AX-5500
Raw Capacity	Up to 64TB
NAND Type	TLC 3D NAND
Read Bandwidth	Up to 48GB/s Throughput
Write Bandwidth	Up to 30GB/s Throughput
Random 4K Read IOPS	Up to 6M IOPS
Random 4K Write IOPS	Up to 1.5M IOPS
Min Read Latency	80µs
Min Write Latency	15µs
Protocol	NVMe 1.4
Bus Interface	PCI Express 5.0 x16
Endurance	Up to 70 PBW / 3 DWPD*
Security	256-bit AES Data Encryption
Weight	20 oz
Warranty	3 years or maximum endurance used
Form Factor	FHFL Single Width
Operating Temperature	Op: 0 to 55 deg C / Non-Op: -40 to 75 deg C
Power	Active: 120W Max
Airflow	Min 400 LFM
Humidity	5% to 95% (non-condensing)
Altitude	0 ft to 10,000 ft
Operating Systems	Windows, RHEL, SLES, CentOS, Solaris, SUSE, VMware
Agency & Safety	UL, CB, CE, KCC, BSMI, VCCI, FCC Part 15, Subpart B and CISPR 32 for a Class A

### Data Center Series

30.72TB: AX5500-030T-050  
61.44TB: AX5500-061T-050

### Enterprise Series

25.6TB: AX5500-025T-050  
51.2TB: AX5500-051T-050

Please contact your sales rep for more information and to determine which configuration is best to accomplish your company's specific goals. Specification subject to change without notice.

### Contact Information

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\*PBW/DWPD table per capacity/configuration available upon request