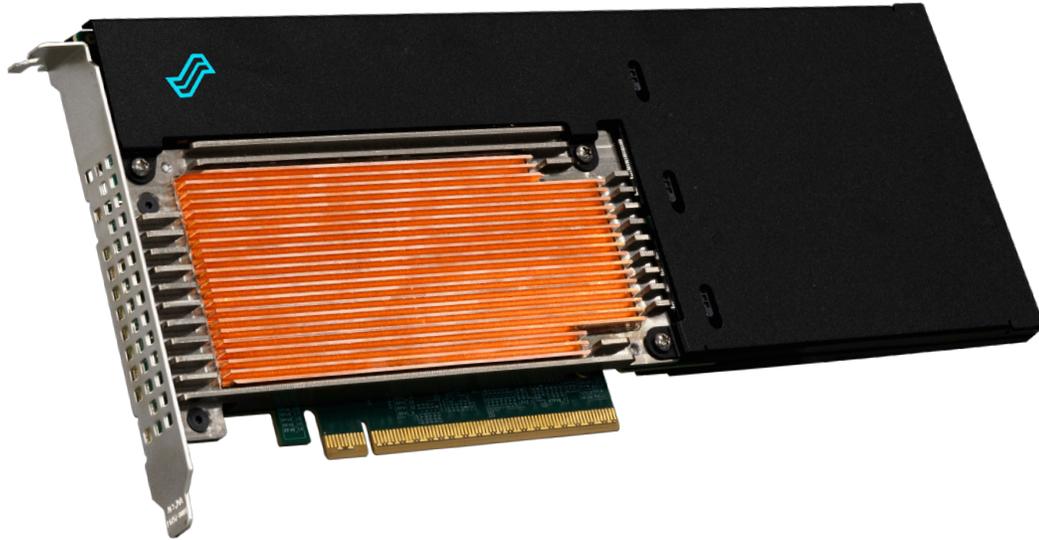




LIQID AX-5505 IO Accelerator

Elevate Data Performance



In data-driven environments, unlocking the full potential of data performance is paramount. Introducing the LIQID IO Accelerator AX-5505 – 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-5505 empowers you to accelerate results.

With the capability to deliver an astounding 14 million IOPS of random read performance, coupled with over 60 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 128TB, the AX-5505 equips you to handle vast datasets without compromise. Whether you’re navigating complex simulations, conducting expansive analytics, or managing rich multimedia content, the AX-5505 offers substantial headroom.

- > Ultra Fast PCIe Gen 5.0 x16 Interface
- > Performance of 14M IOPS and 60 GB/s¹
- > High-capacity NVMe SSD, up to 128TB
- > Enterprise-class Power Failure Protection

¹These numbers are with FIO on a single CPU server: AMD EPYC 9355P 32-Core Processor

Key Features

- Ultra-High Performance
- PCIe 5.0 x16 Interface
- NVMe 1.4 Protocol
- High Capacity, up to 128TB
- Single Width FHFL
- Plug-n-Play Compatibility
- UEFI Boot Support
- Enterprise Grade Reliability
- Power Loss Data Protection
- Active Thermal Throttling
- Active Power Management
- Advanced ECC and Data Protection
- Advanced Error Recovery
- Active Telemetry Monitoring
- Low Overhead Architecture
- No Host CPU or DRAM Off Load
- Software or OS RAID Supported Data Protection



Technical Specifications

Model	LIQID IO Accelerator AX-5505
Raw Capacity	Up to 128TB
NAND Type	TLC 3D NAND
Read Bandwidth	Up to 60GB/s Throughput ¹
Write Bandwidth	Up to 57GB/s Throughput ¹
Random 4K Read IOPS	Up to 14M IOPS ¹
Random 4K Write IOPS	Up to 12M IOPS ¹
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

15.36TB: AX5505-015T

30.72TB: AX5505-030T

61.44TB: AX5505-061T

128TB: AX5505-128T

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

LIQID Inc.

11400 Westmoor Circle, Suite 225

Westminster, CO 80021

office: +1 303.500.1551

email: sales@liqid.com

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

¹ These numbers are with FIO on a single CPU server: AMD EPYC 9355P 32-Core Processor