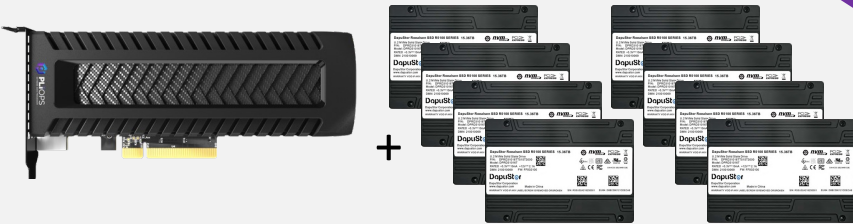


Optimizing Data Infrastructure

Enhanced Node & Cluster Reliability with Cost-Effective Storage Performance Density

Pliops | DapuStor Solution



Pliops Extreme Data Processor (XDP) and DapuStor R5 series PCIe Gen4 SSDs

A single Pliops XDP and up to 128TB of DapuStor R5 series SSDs combine seamlessly to enhance data infrastructure with a new level of storage efficiency, data protection, performance, and TCO benefits.

Pliops Extreme Data Processor (XDP)

The Pliops Extreme Data Processor (XDP) is a low-profile PCIe-based Data Services card that deploys in minutes and runs in any server.

Managing the end-to-end data flow between application software and local storage, Pliops XDP enhances node and cluster reliability with XDP-RAIDplus, overcoming the limitations of conventional RAID controllers while accelerating application performance, enabling up to **6x** increased SSD endurance with write amplification reduction and up to **7x** higher usable life, while also unlocking capacity.

With its no compromise RAID 5/6 style protection, XDP-RAIDplus enables ultra-fast SSD rebuilds at **5x** faster than traditional RAID solutions, with breakthrough capacity scaling without performance limitations even as drives are filled up to 85%.

DapuStor R5 Series NVMe Enterprise SSD

The DapuStor R5 Series is designed and built on DapuStor DP600 controller firmware with the latest 3D enterprise TLC NAND from KIOXIA. Such a unique combination creates industry-leading SSDs with high speed, superior reliability, low latency, and excellent power efficiency, bringing optimized TCO to enterprise IT and cloud facilities.

The R5 Series capacities are from 1.92TB to 15.36TB in a PCIe 4.0 U.2 form factor. 4KB Random Reads / Writes: up to 1.75M / 0.64M IOPS.

The DapuStor R5 series is an ideal solution for core data storage scenarios in different fields, such as enterprise IT, logistics, Internet, finance, intelligent manufacturing, and AI.

Key Solution Benefits

- Enhanced data infrastructure with best-in-class reliability, scalability, and performance.
- Simple to deploy and easy to use - working in any server.
- Exceptional efficiency gains with significant cost savings – for lower overall cost/TB.
- Ideal for data-intensive applications where greater performance and scalability is required.
- Dramatically increases system reliability with integrated node-level RAID 5/6-style data protection.
- Automatic, ultra-fast SSD rebuilds improving productivity and enabling strict availability SLAs.
- Drive Failure Protection preserves user data and meta data.
- Most optimized capacity storage with enhanced SSD endurance and extended useful life.
- Predictable, consistent performance even with full SSD data fill - without any performance penalty.
- High-performance, power efficient storage with extremely low latency