

The Seagate Exos AP 5U84

POWERED BY storONE™

The Mainstream Data Center Storage Platform



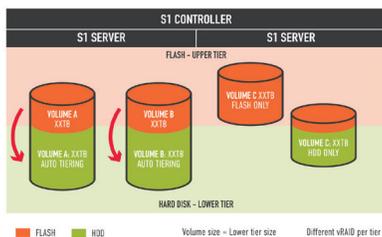
Mainstream data centers require an affordable storage solution that can support all their various use cases in a single, simple storage platform. The Seagate Exos AP 5U84 powered by StorONE delivers the use case scale (high-performance and high capacity) that mainstream data centers need. With a single 5U solution, organizations can support high performance workloads with the 5U84's 200K+ IOPS performance. At the same time they can use the platform for capacity centric use cases like video surveillance, user home directories, archive and backup.

PRICED FOR THE MAINSTREAM DATA CENTER

The Exos AP 5U84 starts as low as \$103,035.79 for a 574TB system with 30TBs of flash. The system can scale to the 2.5PB system which includes 107TBs of flash for only \$311,418.55. All configurations and options are clearly listed on StorONE's TRUprice page.

INTELLIGENT HYBRID ENABLES USE CASE SCALE

The Seagate Exos AP 5U84 powered by StorONE includes an intelligent tiering solution that ensures that demanding workloads receive the performance they need while leveraging hard disk to lower the total cost of ownership. The system does not require any tuning or manual data management to transparently ensure that the right data is on the right storage media at the right time.



DATA PROTECTION IS PRIORITY 1

Protection is critical for any enterprise, including mainstream data centers. The Seagate Exos AP 5U84 powered by StorONE leads the industry in availability, data integrity and data protection. First, in the 5U chassis the system features two active-active, highly available, storage controllers. If one controller fails volumes are automatically reassigned to the surviving controller.

The StorONE software adds five critical insurances against data loss. First, StorONE can deliver high performance without requiring a write cache. All writes are on persistent media before being acknowledge to the application. Second, StorONE's vRAID protects against media failure delivering the fastest RAID rebuilds in the industry (two hours for HDD, 5 minutes for flash). Third, StorONE's vSnap provides frequent, unlimited, forever, snapshots, potentially replacing backups. Additionally, as snapshots age, snapshot data also tiers to lower cost media. Finally, vReplicate, StorONE's replication service provides cascading replication to up to 16 targets, including the Cloud.

COMPLETE ENTERPRISE STORAGE PLATFORM IN 5U



- Full HA
- Automated Tiering
- No Write Cache
- Rapid RAID Rebuilds
- Unlimited Snapshots
- Cascading Replication
- Supports Self Encrypting Drives

USE-CASE SCALE

Don't buy a storage system for every use case. Simplify storage operations with the Exos AP 5U84 powered by StorONE. It can support high performance databases dedicated to its flash tier. The Exos AP 5U84 can also support mixed use virtual machines by using a mixture of flash and hard disk drives. Finally, it can support capacity centric workloads like user home directories and video surveillance.

In addition to providing the performance and capacities these use cases need, it also supports a mixture of protocols including iSCSI, NFS, SMB and S3 Object.

THE FUTURE IS YOURS

Mainstream data centers have a tendency to grow, and grow unexpectedly. With the Exos AP 5U84 powered by StorONE you can upgrade in minutes by adding drives to the base unit. If the organization scales to fill the 84 drive bays internal to the system, they can add additional 84 drive shelves to meet almost any capacity requirement. Alternatively, thanks to StorONE's vRAID lower capacity internal drives can be replaced with higher capacity drives, for an upgrade in place capability.

TECHNICAL SUMMARY

- 5U System with Dual Nodes (full HA)
- Each Node includes dual 1.8 Ghz (E5-2648L v4) CPU and 256GB of RAM
- Expandable to 84 Drives in 14 drive increments
- Initial capacity must include 8 SSDs
- Hard Disk Tier must be 2X Flash Tier
- Two x4 mini-SAS HD Expansion I/O connectors
- Supported SSD sizes are 3.84TB, 7.6TB and 15.3TB
- Supported HDD sizes are 14TB, 16TB and 18TB
- Supported Network Connections: Ethernet (iSCSI, NVMe-oF/IP*, NFS, SMB, S3 Object)
- StorONE Operating GUI: Linux, Windows, MacOS, iOS, Android, Web Browser, CLI
- Supported Hypervisors: VMware, Microsoft Hyper-V, OracleVM, KVM, XEN Server
- VMware Recommendation is NFS for majority of VMs. iSCSI passthrough for high-performance VMs