



Product Presentation

Seagate Enterprise

March, 2024

 www.iontech-enterprise.com



Seagate: Who We Are



We supply the leaders
 Seagate provides solutions to large storage system OEMs



30 Years+ and ~1M Systems
 We are already in your data centers



Timeline:

- 1979** Shugart Technology becomes Seagate Technology
- 1981** Seagate goes public
- 1984** Seagate becomes the world's largest producer of 5.25-inch HDDs and crosses the US\$344 million mark
- 1990** Seagate releases a 2.5-inch HDD
- 1993** Seagate becomes the first company to cumulatively ship 50 million HDDs over its history
- 1996** Seagate introduces the industry's first HDD with a 10K-RPM spindle speed, the Cheetah 4LP
- 2007** Seagate introduces one of the industry's first hybrid drives
- 2013** Seagate ships the first 1TB/platter, 2.5-inch portable drive
- 2014** Seagate ships its 10 millionth SSHD
- 2015** Seagate updates our logo with an industry-first living logo that represents evolution in storage
- 2016** Seagate brings back BarraCuda name with the world's first 10TB hard drive purpose-built for PCs
- 2018** Seagate begins shipping HAMR units for customer integration tests

Key Milestones:

- Apple Computer introduces the Macintosh
- World Wide Web established with the introduction of HTML
- In early 1993, the web has a total of only 130 sites
- For the first time, there is more email than snail mail
- Apple releases its first iPhone
- Apple starts selling its first wearable gadget, the Apple watch
- 4K Ultra HD Blu-ray layers and discs are sold to the retail market

Recent Launches:

- Seagate launches Cloud Systems and Solutions
- We launch the Enterprise Data sphere Fleet – the most powerful fleet in the data sphere

ENTERPRISE HARD DRIVES & SOLID-STATE DRIVES

The Most Powerful Fleet in the Datasphere



EXOS™

ENTERPRISE



NYTRO™

ENTERPRISE

ENTERPRISE FLEET

Innovative storage that enables our customers to remain competitive and relevant by meeting the ever-changing dynamics of IT.



Enterprise Capacity & Performance



Flash-based storage for instant access to data





For Data Center Storage

Seagate Exos for Enterprise



Scalable up to 10PB
42U RACK



Enterprise Hard Drives

Exos E Drives



Designed to work and perform consistently in enterprise-class workloads.

Exos X Drives



Designed to work in highly scalable environments and help to enable some of the fastest data transfers possible.



- EXOS E
- Air Drive



- EXOS X
- Helium Drive

Exos Hard Drives

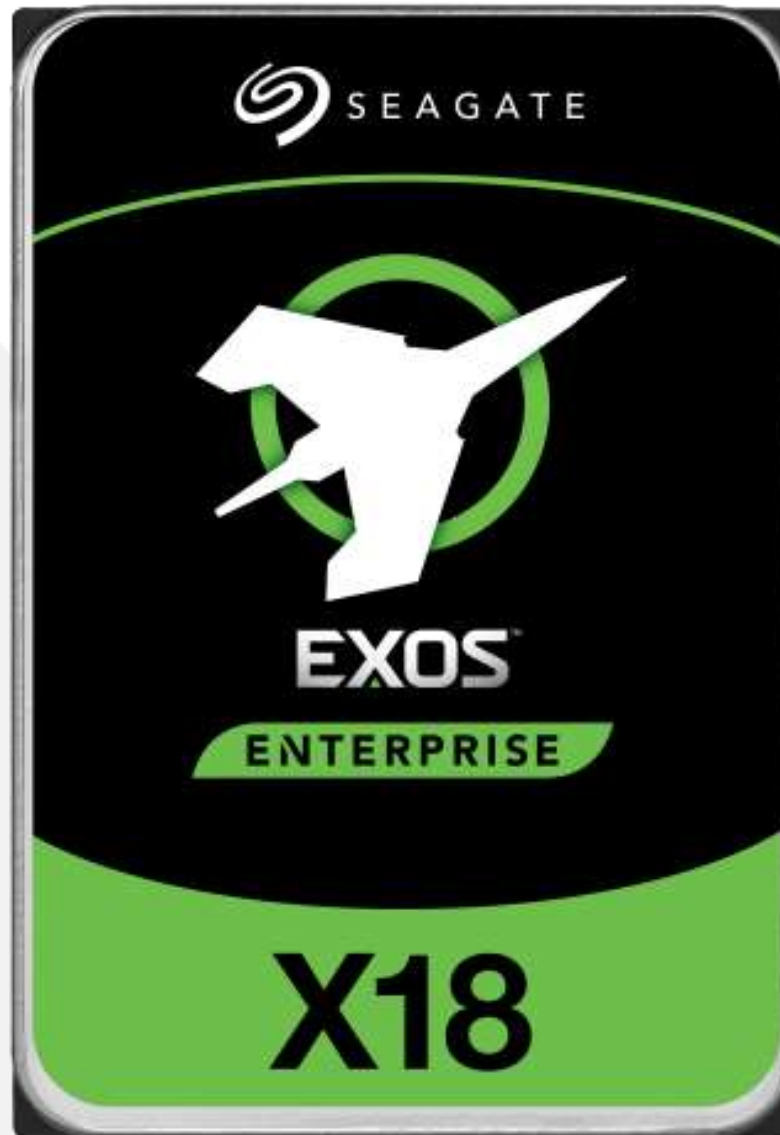
High-reliability solutions for private cloud, public cloud and traditional IT.

HDD UP TO 20 TB

HDD UP TO 10 TB

X Series

Cloud
Data Center



High-capacity storage and reliability for serious workloads.

E Series

Mission Critical
Storage
Archive



The most versatile enterprise drives in the datasphere.

Seagate EXOS Product Line Specifications

Exos X24, X20, X18

Up to 24TB

Offers the highest rack space efficiency—up to 25.4PB of data in a single 42U rack.



Exos 7E10

Up to 10TB

Exos 7E10 provides cost-effective, reliable access to unstructured data. Delivering trusted performance, reliability, security and low TCO.



Exos 10E2400

Up to 2400GB

The highest-capacity hard drive for mission-critical applications, this 10K-RPM hard drive optimizes real estate while keeping pace with growth.





Exos X18 | X20 | X22 | X24 Helium Drive

Up to 24TB

Highly reliable performance with enhanced caching, tuned for large data transfers and low latency making it the logical choice for cloud data centre and massive scale-out data centre applications.



Exos 7E10 | Air Drive

Up to 10TB

Provides cost-effective, reliable access to unstructured data. Delivering trusted performance, reliability, security and low TCO.

Exos™ X

The Future of the Datasphere

Scalable Massive storage capability

Responsive Balance performance & capacity

Innovative Latest market technology

Exos E

The Foundation of the Datasphere

Trusted Proven technology

Efficient Delivering results for customers

Versatile Multitude of use cases

High Performance Without Compromises

Seagate® Exos X hard drives help to enable some of the fastest data transfers possible. Designed to handle the most rigorous workloads with capacities up to 24TB, the Seagate Exos enterprise-class drives are perfect high-reliability solutions for private cloud, public cloud, and traditional IT. Whatever your applications, there's an Exos drive for it.

	Exos X24	Exos X20	Exos X18	Exos E 7E10
Capacity (TB)	24, 20, 16, 12	20, 18	18, 16, 14, 12, 10	10, 8, 6, 4, 2
Sustained Data Rate (MB/s)	285	285	270	263
Hardware Interface	SATA 6Gb/s, SAS 12Gb/s	SATA 6Gb/s	SATA 6Gb/s	512n SATA, 512n SAS, 512e SATA/SAS, 4Kn SATA/SAS
Cache Memory (MB)	512	256	256	256
Hard Disk Rotational Speed (RPM)	7200	7200	7200	7200
Item Weight (g)	690	670	670	720
Idle Power (W)	5	5.4	5.3	7.8 ²
MTBF (hours)	2.5M	2.5M	2.5M	2M
Workload (TB/year)	Up to 550	Up to 550	Up to 550	Up to 550

² Based on 10TB



Best Fit Applications

Exos E

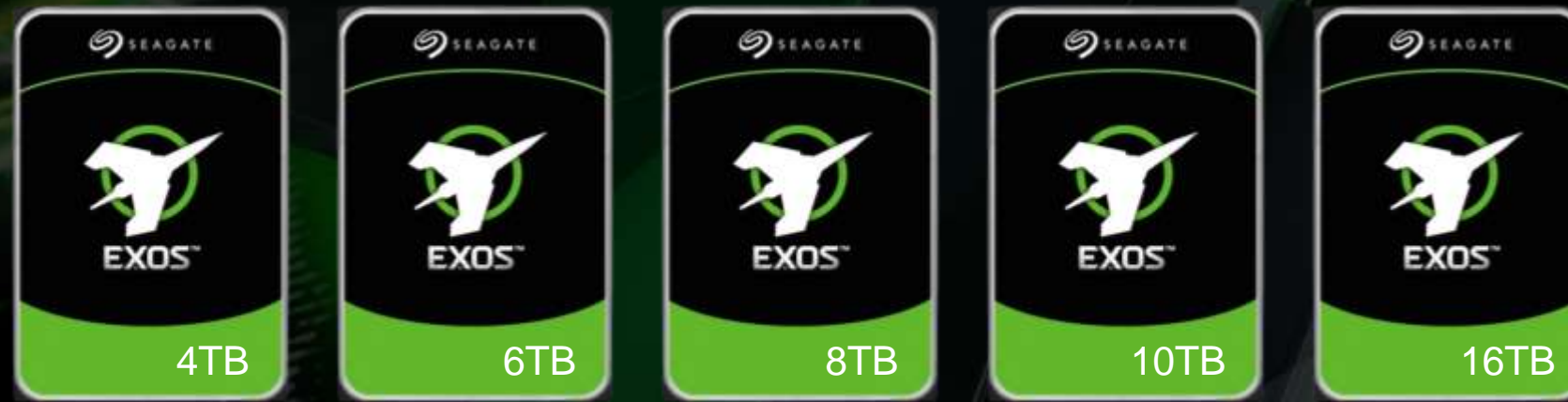
- High-density data storage environments
- Machine Learning and data modeling applications
- Centralized surveillance and archival use
- Government and high security domains
- Mission-critical environments

Exos X

- Perfect for the most demanding applications.
- Hyperscale and traditional Data Center



High-reliability solutions for Servers, Storage Systems,
and Business-Centric NAS Systems.



Product	Exos 7E10	Exos 7E10	Exos 7E10	Exos X18	Exos X18
Capacity	4TB	6TB	8TB	10TB	16TB
Sequential Data Rate	263 MB/s	263 MB/s	263 MB/s	270 MB/s	270 MB/s
MTBF	2M hours	2M hours	2M hours	2.5M hours	2.5M hours
Workload	500TB/yr	500TB/yr	500TB/yr	500TB/yr	500TB/yr

Exos E Series Hard Drives: Purpose-built for enterprise applications and workloads.

Exos X Series: The most scalable drives in the datasphere, Exos X series hard drives integrate the latest technology in support of a secure and reliable cloud data center.

Workload, Warranty, MTBF

Market Segment	Workload (TB/yr)	Warranty (years)	MTBF
BarraCuda (traditional desktop)	60	2	800k
IronWolf (NAS)	180	3	1M
IronWolf Pro (NAS)	300	5	1.2M
Skyhawk (Surveillance)	180	3	1M
SkyHawk AI (Surveillance)	550	5	1.5M
Exos E Series (air)	550	5	2.0M
Exos X Series (He)	550	5	2.5M

Picking the right drive for means:

- ✓ System longevity
- ✓ Reduced service calls
- ✓ Lowered TCO

Right Drive for the Right Application



Your data center just breathed a sigh of relief

THE NEW, BIGGER NYTRO[®] SAS SSD PORTFOLIO IS HERE





ENTERPRISE SSDs

Flash-based Storage for Instant Access to Data

Leverage your data with the broadest portfolio of high-performance solid-state drives and flash solutions.



Nytro SAS SSDs

Mission-Critical

High-Capacity with Enhanced
Performance and Protection.
Up to 15.3TB



Nytro NVMe SSDs

Enterprise

Consistent high performance
for the modern data center.
UP TO 15.36 TB

Partnering with Industry Players



Trusted By Industry



Seagate Support Center in PH



(02) 8527 1647

SeaCare Center

2nd Floor, #19

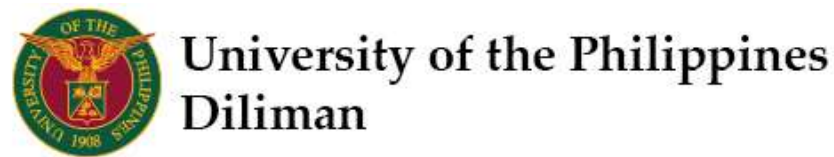
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Brgy. Valencia, New Manila, QC



Monday-Friday
9 AM – 5 PM



PH SUCCESSFUL DEPLOYMENTS



Trusted Quality Healthcare



SUCCESSFUL DEPLOYMENTS



Let's connect

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Thank You

Visit Our Website
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