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- Seagate Expands Portfolio of 3.5-Inch 8TB Hard Disk Drives With 6 Disks

Seagate Expands Portfolio of 3.5-Inch 8TB Hard Disk Drives With 6 Disks

With PMR Enterprise Capacity 3.5, PMR Enterprise NAS and SMR Kinetic HDD
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BOOKMARK

Seagate Technology plc unveiled its new portfolio of 8TB high capacity drives - the Enterprise Capacity 3.5 HDD, Enterprise NAS HDD and Kinetic HDD.

The new drives provide SMBs and large enterprises with high capacity, reliable, and high performance storage solutions, to match the storage requirements for each market segment.

"*Customers today need storage solutions to support a diverse, and sometimes very specialized, set of applications and workload requirements*," said Scott Horn, VP marketing, Seagate. "*In designing our products, we look closely at the type of data being stored, performance needs, power requirements, environmental operating conditions, network topologies, uptime demand and more, to ensure our customers receive the right storage technology for the job. This thoughtful approach has enabled us to deliver the most compelling 8TB portfolio available in the industry.*"

Enterprise Capacity 3.5 HDD
World-Class Reliability Meets High-Capacity
Within the cloud and traditional enterprise markets, businesses need high capacity and reliable storage solutions. 8TB Enterprise Capacity 3.5 HDD drive addresses these needs by incorporating proven conventional magnetic recording HDD technology, backed by nine generations of data center innovation. Enterprise customers also want world class performance from their storage solutions and the 8TB Enterprise Capacity 3.5 HDD delivers for them with a 100% increase in random

R/W performance compared to previous generations, driving a vast improvement in IT performance across the enterprise.

"*Supermicro's wide array of SuperServer and SuperStorage solutions deliver unrivaled performance, efficiency, density and reliability for enterprise, data center, cloud and HPC environments*," said Don Clegg, VP marketing and business development, Super Micro Computer, Inc. "*With Seagate's new portfolio of 8TB 3.5" Enterprise and Kinetic HDD we can cost-effectively address expanding web scale storage requirements with the most advanced Green Computing platforms on the market*."

Enterprise NAS HDD
Enterprise Capacity Meets SMBs
SMBs require high reliability too, but they also need storage solutions that can scale to support enterprise performance as business mandates change and the company grows. 8TB Enterprise NAS HDD takes conventional HDD recording technology to the next level by providing one third more storage density for any tower or rack mount solution compared to the previous 6TB generation drive. This density advantage translates to fewer drives without sacrificing capacity, reducing power consumption and saving valuable space in servers and data centers to help improve IT cost structures and service value to the organization.

Kinetic HDD
High-Capacity, Reduced cloud Economics
For organizations making the transition to the cloud with an eye to leveraging open source innovation, the 8TB Kinetic HDD focuses on TCO by emphasizing scaled-out storage and rapid deployment in data centers. In cases where archiving data is a priority, emerging technologies such as Shingled Magnetic Recording can be of strategic and business value. Combined with the Kinetic Open Storage platform, this storage solution can change the TCO equation.

"*I am impressed by the disk capacity increase achieved by Seagate*," said Dirk Duellmann, deputy leader of the data and storage services group in the IT department, European Organization for Nuclear Research (CERN). "*As part of our collaboration through CERN openlab, we are aiming to demonstrate with Seagate the expected TCO and scalability benefits of Kinetic drives. These tests are being performed within the 100PB-scale storage setups that CERN deploys for the Large Hadron Collide*r."

The platform reduces TCO by redefining and simplifying storage architectures for today's use-case scenarios. By combining an open source object storage protocol with Ethernet connectivity, Kinetic HDD eliminates multiple layers of legacy hardware and software infrastructure with a simple key/value interface. This in turn eliminates or reduces the need for traditional storage servers reducing capital equipment costs, power consumption and human expenses associated with managing storage for a total savings of up to 70%.

All drives are currently sampling to select customers with wide scale availability planned for **late this year**.

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