

DataON™ Storage Rises to New Storage Density Heights with 6TB Helium Drives

Partnering with HGST, the CiB-9470 Cluster-in-a-Box Delivers 420TB of HA Protected Capacity for any Software-Defined Storage technology

Anaheim, CA – July 15, 2014 - DataON Storage, the leading provider of OS-agnostic storage enclosures, today announced the certification and immediate availability of the HGST Ultrastar® He⁶ helium 6TB SAS drives for its Cluster-in-a-Box (CiB) storage appliance platform. Designed to deliver highly available shared storage for software-defined storage technologies, such as Microsoft Windows Server 2012 R2 with Storage Spaces, the DataON CiB is tuned for hot/cold tiered storage. Utilizing the 6TB helium-filled drives, DataON's flagship product, the CiB-9470, furnishes an industry leading capacity of 420TB and is currently on display at the Microsoft Worldwide Partner Conference (WPC) in Washington DC from July 13 to July 16.

Private cloud and datacenter builders, media and entertainment, and enterprise IT service providers are continually required to increase storage space efficiency while reducing costs. Combined with the HGST Ultrastar® He⁶, the CiB-9470 cloud-tuned appliance enables IT admins to expand capacity without wasting valuable rack space, increasing power circuits or adding siloed storage units—resulting in maximized space utilization and reduced total cost of ownership (TCO).

“Cloud data centers around the world look to HGST for highly reliable drive technologies and to improve storage efficiencies by significantly improving TCO on every level of capacity, density, and power consumption,” says Brendan Collins, vice president of product marketing, HGST. “We are excited to see our customers adopt this efficiency philosophy and DataON is delivering impressively dense storage capacity with the CiB-9470 appliance when featuring the HGST Ultrastar® He6 drives.”



The innovative CiB-9470 clustered storage appliance is based on a modular chassis supporting Intel® Xeon® processor E5-2600 v2 product family based dual clustered nodes located side-by-side fused with the density of a 70-bay JBOD. This 4U chassis design provides a much denser, more efficient storage and processing architecture to dramatically reduce complex cabling and lengthy deployment times.

“Cluster-in-a-Box is designed to provide strong storage density and performance..,” states Rick Claus, senior technical evangelist, Microsoft Corp. “A scale-out file server appliance like the DataON CiB-9220 can improve ROI when combined with the HGST 6TB drives and enterprise SSDs with tiered Storage Spaces in Windows Server 2012 R2.”

By providing better than 100TB per U of rack space the CiB-9470 can supply over 4 petabytes of RAID protected usable storage capacity in a typical data center server cabinet. The high density He⁶ drives combined with the best condensed capacity for clustered storage, results in TCOptimized™ data storage efficiencies with notable savings, including:

- **More Capacity** – 50% increase in disk capacity space coupled with 15% better disk bay per U ratio over any CiB design.
- **Efficient Density** – Data center-optimized, up to 420TB capacity in 4U; allowing 5PB raw storage per rack.
- **Fault-Tolerant Resiliency** – Dual cluster-aware compute nodes for active/active or active/stand-by.
- **Continuous Availability** – Highly available hot-swap SAS shared storage to reduce downtime.
- **Cool Technology** – Better than 4°C cooler operations with the HelioSeal process and twelve chassis fans.
- **Smart Energy** – Idle power use reduced by 24% and better than 35% total savings over comparable designs.

- **Enterprise Value** – He⁶ HDD populated CiB-9470 yields 75% less rack space over discrete nodes;

better than 25% reduction in TCO—while reducing operating expenses and without sacrificing performance.

“DataON is leading the charge into the future of Cluster-in-a-Box technologies by leveraging the 6TB He⁶ drives to tackle the near 50% CAGR data center storage growth rate,” says Trenton R. Baker, vice president business development, DataON Storage. “It’s simple, with helium drives, HGST is re-writing the future of hard drive technology capacity limits.”

Pricing and Availability

The CiB-9470 is currently shipping and available direct and through the growing DataON Storage channel partner program. Designed with the HGST Ultrastar® He⁶ drives with a 420TB capacity yields a list price of \$69,000; a configuration with 372TB of helium drives and 3TB of HGST s842 Series SAS SSDs is \$75,000 to provide hot/cold data in auto-tiering solutions. The smaller 2U CiB-9220 Cluster-in-a-Box delivers 72TB with a list price of \$19,000.

About DataON

DataON Storage is the leading provider of OS-agnostic storage enclosures. In pioneering clustered storage platforms, DataON delivers resilient, high-performance and scalable solutions tailored for scale-out software-defined storage. DataON developed its flagship product the CiB-9470—a massively dense, high availability cluster-in-a-box platform (CiB) to provide the most storage density in the industry. Petabyte scalability can be swiftly achieved via external SAS JBOD enclosures—4U 60-bay, 4U 24-bay and 2U 24-bay. DataON is the storage division of Area Data Systems, more information can be found at www.DataONstorage.com, call +1 (714)441-8820 or comment via @DataON.