**DataON™ Cluster-in-a-Box (CiB) for Windows Server 2016**

The Cluster-in-a-Box is an innovative all-in-one platform delivering highly-available services and shared storage in an energy saving and condensed footprint. We believe every company should enjoy the reliability of high-availability and high performance with lower capital expenses. As Hyper-Converged appliance for the Microsoft platform, the CiB-9473 re-invents clustered shared storage with the introduction of end-to-end 12Gb/s SAS device performance. This purpose built platform thrives in tiered SSD and HDD storage deployments with cluster-aware file systems.

The turnkey CiB-9473 appliance is comprised with a modular 4U chassis supporting dual compute nodes for HA resiliency based upon next generation Intel® Xeon® processors, DDR4 memory and SAS expansion ports for scalability.

Businesses face space constraints, hardware sprawl, power challenges and the need to run dozens of VMs with shared storage from a single appliance. Designed to exceed these expectations, DataON's CiB-9473 makes it easy for you to deploy, compute and store data effortlessly.

- **High Capacity** – The CiB-9473 offers over 700TB of raw capacity in a single appliance for storage intensive applications or enterprise level storage.
- **High Density** – The CiB-9473 offers 70 3.5" SSD/HDD drives with dual servers in to a single 4U Hyper-Converged Cluster Appliance.
- **Storage and Network with SMB 3.0 over RDMA** – Delivers highest throughput, lowest latency and increase CPU efficiency with 10/40 GbE Network.
- **Windows Server 2016 Storage Replica Ready** – The CiB Appliance is tested and validated with SR for seamless deployment.
- **Build for Microsoft Enterprise Applications** – Ideal for VDI, SQL, SharePoint and Window File Services.

**Benefits:**

- **High Availability** – CiB-9473 built with dual compute nodes for HA resiliency, it provides high available services with fail-over and fail-back capability.
- **High Density** – CiB-9473 offers seventy 3.5" hot-swappable drives with two clustered server nodes in an ultra-dense 4U chassis, and built to provide low dollar-per-TB costs, space –savings and capacity demand for today’s enterprise and hyper scale data center.
- **High Capacity** – CiB-9473 offers 700TB of raw capacity with 70 of 3.5" 10TB 12G SAS enterprise level storage disks in a single 4U enclosure.

**Powerful Portfolio** – CiB-9473 covers your storage needs from hybrid (tiered storage with SSD and HDD) to all flash to back/archive storage. Delivers performance, capacity and scalability.

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**Form Factor**

4U Rack Mount Server, 35.5" Depth

**Drive Bay**

70 x 3.5"/2.5" hot-plug HDD or SSD top-load

**Storage I/O**

12G SAS 3.0 up to 12Gbps end-to-end

**Power Supply**

Hot swap & Redundant (2+2) 1,200W 110V-240V auto-ranging

**Cooling**

(12) Delta 6056 dual-rotor Fan, redundant

**Server Node**

Dual server node, dual-socket & Cluster ready

**Processor**

(2) Intel® Xeon® Processor E5-2600v4 family, Max. TDP 135W

**Memory**

(16) DIMM slots, 2133/2400 MHz DDR4 up to 512GB per node

**Boot Drive**

(2) 7mm 128GB SATA III SSD mirrored, hot-plug

**Expansion Slot**

(2) PCIe 3.0 x16 & (2) PCIe 3.0 x8 LP

**Storage Controller**

(2) Avago® LSI 9300-8i 8-port internal 12G SAS HBA

**Network**

(2) Intel® 82559 10Gbt SFP+, (2) Intel®GbE RJ-45

**Management Port**

(1) GbE RJ-45 IPMI management port

**System Management**

IPMI v2.0 compliant, SNMP support

**TPM**

TPM 2.0/1.2
DataON™ is the industry leading provider for Hyper-Converged Cluster Appliances (HCCA) and storage systems optimized for Microsoft® Windows Server environments. Our solutions are built with the single purpose of rapidly and seamlessly deploying Microsoft applications, virtualization, data protection, and hybrid cloud services. Our company is focused on customers who have made the “Microsoft Choice” and we provide the ultimate platform for the Microsoft Software-Defined Data Center (SDDC). DataON™ is a division of Area Electronics.

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