



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

DataON™ Cluster-in-a-Box (CiB) appliance is an innovative all-in-one cluster platform that delivers highly-available (HA) services and shared storage in an energy saving condensed footprint. This Hyper-Converged cluster appliance is specially designed for shared storage with Microsoft's Storage Spaces, enabling customers to reduce cost, consolidate datacenter hardware, easily deploy a new platform and quickly transition to a Microsoft Hyper-V environment.

With shared storage from a single appliance, modern business are struggling with space constraints, hardware sprawl, power challenges, and the need to run dozens of VMs. DataON™ CiB gives businesses a purpose-built 2U appliance that includes two server nodes with 10GbE heartbeat connections for real time high availability extending system up-time and protecting business continuity. With the introduction of end-to-end 12Gbps SAS device performance, DataON™ CiB is optimized for tiered SSD/ HDD or all flash storage deployments with 1/10/40GbE networking to fully leverage SMB3 RDMA storage network fabric to create a highly available cluster-aware environment.

DataON™ CiB-9112 delivers Enterprise-Class features and Optimizes your Microsoft Enterprise Application with Windows Server 2016

The CiB-9112 is built to optimize the full stack of Windows Server 2016, it runs on the Cluster Shared Volume NTFS and leverage 12G SAS SSD and HDD with SMB3.0 networking to maximize performance and IOPS. This all-in-one cluster appliance is simple to deploy, easy to scale up and maintain. It is scalable, reliable, flexible, and also provides continuous availability in a HA storage environment. The DataON™ CiB-9112 appliance with DataON™ MUST™ (Management Utility Software Tools) Visibility and Management Framework delivers:

- Flash Performance – All flash configuration is capable of providing over 1 million IOPS using the latest all 12G SAS SSD technology to scale I/O intensive workloads like SQL and VDI.
- Storage and Network with SMB 3.0 over RDMA – Delivers highest throughput, lowest latency and increase CPU efficiency with 10/40 GbE Network.
- Automation and Ease of Deployment – An automated OOB (out-of-box experience) wizard is designed to swiftly initialize configurations, enable users account information, join a domain, specify cluster and storage parameters in less than 30 minutes.
- Windows Server 2016 Storage Replica Ready – The CiB Appliance is tested and validated with SR for seamless deployment, such as Synchronized Stretching Cluster and Asynchronized Cluster to Cluster.
- DataON™ MUST™ – Provides a new level of advanced monitoring, visibility, analytics and management tools by leveraging the open Windows Storage Management API (SM-API)

DataON™ MUST— Visibility and Management for Windows Server 2016

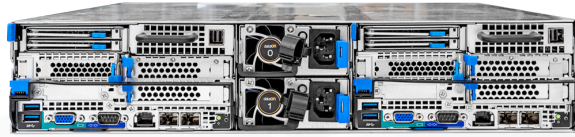
DataON™ MUST (Management Utility Software Tools) provides a new level of advanced monitoring, visibility, analytics and management tools leveraging the open Windows Storage Management API (SM-API). With the initial focus on storage monitoring and visibility, MUST provide system level information, storage cluster / volume / nodes level utilization and automated fault alerts on your system. With MUST you will have dashboard level view of your operational visibility, analytics, infrastructure health management, storage systems metrics and event logging insights.

Benefits:

- **Simplicity** – Simple management, easy installation & maintenance; Out-of-Box-Experience (OOBE)
- **Availability** – Dual Node Clustered, Dual controller, Dual path, Heartbeat and Redundant power
- **Flexibility** – All flash storage 12 x SSD, Tier storage SSD + HDD & Capacity storage 24 x HDD
- **Expandability** – Capacity expansion through external storage enclosure (JBOD)
- **Management** – DataON™ MUST™ Visibility and Management

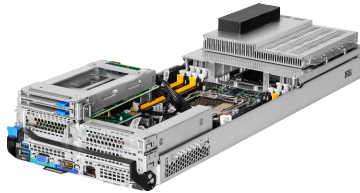


Enclosure







Form Factor	2U Rack Mount Chassis
Dimension	W x H x D: 17.48" x 3.44" x 31.3"
Drive Bay	(12) 3.5" HDD/2.5" hot-plug SAS SSD front-load
Rear Bay	Dual Server Cluster Node
Storage I/O	12G SAS 3.0 up to 12Gbps end-to-end
Power Supply	(1+1) 1,023W hot-plug redundant PSU
Cooling	(4) dual-rotor fan, redundant

Server Node



Processor	(2) Intel® Xeon® Processor E5-2600v4 family, Max. TDP 135W
Chipset	Intel® C610
Memory	(16) DIMM slot, 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 x8 & (1) PCIe 3.0 x8 for SAS HBA
Heartbeat Device	Intel® 10Gbt 82559 dual-port connection
Storage Controller	(1) Avago® LSI 9300-8i 8-port internal 12G SAS HBA
Network	(2) Intel® i350 GbE RJ-45
TPM	TPM 2.0/1.2
Rear I/O Port	(2) USB 3.0, (1) VGA, (1) RS232 Serial, (2) GbE RJ-45 & (1) SFF 8644 mini-SAS HD port
Management Port	(1) GbE RJ-45 IPMI management port
System Management	IPMI v2.0 compliant, onboard 'KVM over IP', SNMP support

About DataON™

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DataON™ is the industry leading provider of 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 Systems, Inc.