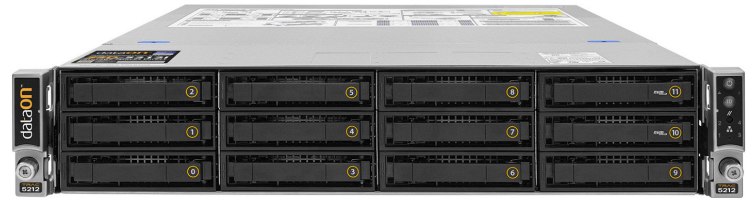


Windows
Server
2016

Certified



Features

- **High Performance** – Enterprise hardware RAID capability provides maximum throughput and performance.
- **High Density** – Equipped with twelve 3.5" hot-swappable drives with single server nodes in an ultra-dense 2U chassis.
- **High Capacity** – Provides 120TB of raw capacity with 12 of 3.5" 10TB 12Gb SAS enterprise-level storage disks in a single 2U enclosure.
- **Reduces Costs** – Built to provide low dollar-per-TB costs, space savings and satisfy high capacity demands of today's enterprise and hyper scale data centers.

DataON TracSystem Data Center Storage (DCS) Backup Appliances for Windows Server 2016

The DataON TracSystem Data Center Storage (DCS) backup platform provides deployment versatility and scalability with the flexibility to support software-defined storage and RAID-based storage profiles.

Tailored to withstand storage capacity demands in a hyper-scale data center, the DCS family provides exceptionally high storage density while delivering outstanding low dollar-per-GB costs for cold, warm and even hot storage workloads. It also leverages high-efficiency power to maximize performance-per-watt savings to reduce TCO.

Certified by Microsoft to seamlessly deploy with Windows Server 2016, the DCS storage family fully supports Storage Replica, a new disaster recovery feature in Windows Server 2016. It supports both synchronous and asynchronous data replication across any distance, and supports HDDs, SSDs and NVMe technology. It also works at a block level so it works with any type of file system, including ReFS. You can also use it to stretch a failover cluster across sites for high availability.

DCS storage also supports Veeam® Backup & Replication™, which provides fast, flexible, and reliable recovery of virtualized applications and data in a Hyper-V environment. Veeam Backup delivers fast, reliable backup and restoration of files, entire VMs and application items, without the use of agents.

DataON TracSystem DCS-5212i Backup Appliances

The DCS-5212i utilizes dual Intel® Xeon® Scalable Processor with Intel C620 Chipsets with up to 1.5TB of memory per node, capable of delivering up to 120TB of storage in single 2U system. It is also equipped with twelve hot-swappable screw-less 3.5" drives in an ultra-dense 2U chassis. Support for both enterprise hardware RAID and SMB3 over RDMA on a 10/40GbE network provides maximum throughput and performance.

A Good Choice for Backup Repositories

- **Highly Resilient** – Microsoft's ReFS file system maximizes data availability and protects business-critical data.
- **Supports Veeam Backup & Replication** – Delivers fast and reliable backup and restoration of files, VMs and applications without the use of agents.
- **Supports Storage Replica** – Provides synchronous and asynchronous data replication across any distance, and supports any type of file system.

- **High Capacity** – Equipped with over 120TB of raw capacity in a single server for storage intensive applications or enterprise level storage.
- **High Density** – Includes twelve 3.5" HDD drives in a single 2U storage server.
- **Enterprise Hardware RAID Ready** – Tested and validated with enterprise hardware RAID for maximum throughput and performance.
- **SMB3 over RDMA** – Provides low latency storage and networking, and increased CPU efficiency within a 10/40GbE network.
- **Built for Microsoft enterprise backup** – Ideal for Tier 1 and nearline data backups.

Form Factor	2U Rack Backup Server (3.44" H x 16.93" W x 27.95" D)
Drive Bays	12x 3.5" Hot-plug HDD front load
Storage I/O	12Gb SAS 3.0 up to 12Gbps (end-to-end)
Power Supply	Hot-swap & redundant (1+1) 750W 110V-240V (auto-ranging)
Cooling	4x Dual-rotor fans, (7+1) redundant
Processors	Intel® Xeon® Scalable Processor with Intel C620 Chipsets
Memory	128GB to 1.5TB DDR4 DIMMs 24 slots
Boot Drive	2 x SATA III M.2 80mm (mirrored)
Expansion Slots	6x PCIe 3.0 x8
Storage Controllers	Broadcom/LSI MegaRAID 9361-8i PCIe 3.0 Internal 12G SAS RAID Controller
Onboard Networking	2x Built-In 10GbE RJ45
Management Port	1GbE RJ-45 IPMI management port
System Management	IPMI v2.0 compliant, SNMP support
TPM	TPM 2.0



Veeam® Cloud Connect Backup

Veeam Cloud Connect provides cloud-based disaster recovery and offsite backup. Businesses and organizations can now have physical and virtual backups offsite and replicate VMs without the cost and complexity of building and maintaining an offsite infrastructure.

Veeam Cloud Connect is built to integrate deeply with Windows Server 2016 data center technologies, such as Hyper-V, Storage Spaces Direct, Nano Server, advanced Resilient File System (ReFS) and Resilient Change Tracking. It provides full, advanced support for Windows Server 2016, as opposed to the simple ability to backup an instance of Windows Server 2016. Veeam also provides advanced ReFS integration, which allows it to support ReFS volumes on internal, direct-attached storage (DAS), Storage Spaces and Storage Spaces Direct. This provides faster full backup creation and transformation performance, as well as reduces storage requirements and improves reliability. Additionally, it improves availability of backup storage by significantly reducing its load, which results in improved backup and restore performance.



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About DataON

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.