DataON S2D Hyper-Converged Infrastructure from Windows Server Quick Reference Guide

### Highlights
- **Optimized for Windows Server 2016/2019 Storage Spaces Direct** — Storage Spaces Direct delivers industry-leading performance for the most affordable price, providing software-defined, shared-nothing storage. It can be used for hyper-converged deployments, simplifying configuration and reducing hardware costs. Scalable to up to 16 servers and over 400 drives.

- **Windows Server Software-Defined (WSSD) HCI Premium Certification** — Has Microsoft’s highest certification for hyper-converged infrastructure, for the highest level of performance, manageability, and security offered. Reduces lengthy design & build times.

- **High Performance** — Utilizes all-flash Intel® Optane™ or NVMe SSDs to achieve over 3.2M IOPS in a 4-node cluster.

### Technology
- **Intel® Xeon® Scalable Processors with Intel C620 Series Chipsets** — Provides greater VM density per cluster, delivering up to 28 cores per socket, 18 DIMMs per CPU memory density, and 224 physical cores.

- **Intel® Optane™ SSD Cache Tier (select models)** — Provides breakthrough performance and dramatically reduced disk latency with 30% greater IOPS performance for write-intensive workloads.

- **Storage and Networking with SMB3 over RDMA** — Increases CPU efficiency while delivering the lowest latency and 2x throughput versus TCP/IP.

### MUST Visibility & Management Tool
- Provides SAN-like storage monitoring features for Windows Server software-defined environments.

- Displays dashboard-level metrics of your cluster through a single pane of glass, with operational visibility of system analytics, infrastructure health management, storage system metrics, and event logging insights.

- Sends system alerts and automated e-mail notifications for hardware failures, configuration issues and resource saturation.

- Can be used through its standalone console or within Windows Admin Center, adding historical data reporting, disk mapping, system alerts, and call home support.

### S2D-5108i
- **Profile**
  - 1U / 2-Node Rack; 8x 2.5" Bays
- **Drive Config 1**
  - 8x NVMe U.2
- **Drive Config 2**
  - 24/60-Bay External JBOD
- **Network**
  - 2x 10GbE RJ45 & 2x 10GbE SFP+
- **Networking**
  - 2x 10/25GbE SFP+ or 40/100GbE QSFP+
- **Max.TDP/Power**
  - 165W / Dual 1100W

### S2D-5208i*
- **Profile**
  - All-NVMe Performance & Density Optimized
- **Drive Config 2**
  - 24/60-Bay External JBOD
- **Network**
  - 2x 10GbE SFP+ or 2x 40/100GbE RDMA QSFP+
- **Max.TDP/Power**
  - 140W / Dual 1300W

### S2D-5212i
- **Profile**
  - Hybrid Performance & Cost Optimized
- **Drive Config 2**
  - 24/60-Bay External JBOD
- **Network**
  - 4x 10GbE SFP+ or 2x 40/100GbE RDMA QSFP+
- **Max.TDP/Power**
  - 140W / Dual 1300W

### S2D-5224i
- **Profile**
  - All-NVMe or all-flash IOPS & Performance Optimized
- **Drive Config 2**
  - 4x NVMe U.2 + 20x SAS/SATA
- **Network**
  - 4x 10GbE SFP+ or 2x 40/100GbE RDMA QSFP+
- **Max.TDP/Power**
  - 140W / Dual 1300W

### S2D-5240i
- **Profile**
  - All-flash IOPS & Density Optimized
- **Drive Config 2**
  - 4x NVMe U.2 + 16x SAS/SATA
- **Network**
  - 4x 10GbE SFP+ or 2x 40/100GbE RDMA QSFP+
- **Max.TDP/Power**
  - 140W / 2130W

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For more information about the products listed, contact: dataon_sales@dataonstorage.com

*Connects to JBOD for capacity tier.

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