

Datasheet

HyperConverged Appliance

For organizations looking to decrease their application downtime but are strangled with limited IT team resources and budgets, our solution is StarWind HyperConverged Appliance (HCA). StarWind HCA is a 100% software-defined hyperconverged platform built with Tier1 OEM hardware manufacturers server platforms. The burden of configuration, application migration, and integration is completely removed from the customer's shoulders.

Furthermore, HCA cuts downtime and management efforts to a minimum since StarWind ProActive Premium Support monitors the cluster health 24/7/365, predicts failures, and reacts to them before an issue actually happens. And, finally, StarWind HCA is the only solution in the industry offering true HA with just a single physical node.

Features

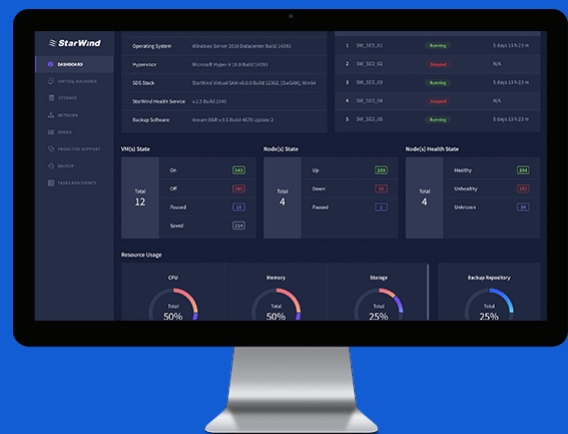
- > Hybrid Cloud: clustering with active-active data replication between on-premises and AWS, Azure or any other public cloud
- > Fault Tolerance, High Availability, Distributed RAM cache, Secure backups, Cloud DR and more
- > RDMA: maximize performance and CPU cores available to your applications by eliminating I/O overhead

Benefits

- > Zero configuration, migration, and integration efforts
- > HCA fits even the strictest budgets by being a true 2-node cluster
- > Constant uptime thanks to high fault tolerance rate: a 2-node system tolerates 1 node and 1 disk failure

Easy Management

StarWind Command Center delivers true single-pane-of-glass management and monitoring experience to HCA. We consolidated sophisticated dashboards that cover all the important information about the state of each environment component into a single screen. Imagine having just 1 browser tab to perform 20% of your IT-related routines that would otherwise take 80% of your time.



Certified Refurbished

StarWind and xByte Technologies partner together to provide significant cost savings with their certified refurbished HCA options. This is a perfect fit for those looking to cut their virtualization deployment expenses. The refurbished HCA nodes carry the same warranty and support from our side so neither the warranty nor the quality is sacrificed. Check with your account representative to find out what options are available in your region.

Performance Flash

StarWind Performance Flash Appliance is designed for small and mid-size SMB virtualized environments. All-flash storage configuration provides the best performance. Also, you can scale up by adding more storage, memory, and interface cards. Clusters can also have mixed node configurations to adapt multiple workload requirements. With StarWind ProActive Premium Support included with the appliance, the responsibility for health status monitoring and availability of your applications is covered by StarWind Intelligent monitoring service and a team of professional support engineers.

Model	P-Spec 4.8	P-Spec 9.6	P-Spec 15.3	P-Spec 23
Chassis configuration*	1U 6/10 bays	1U 6/10 bays	2U 9/24 bays	2U 13/24 bays
CPU	Intel Xeon Scalable Family			
	2x Silver 4208 2.1GHz 8C/16T		2x Gold 5218 2.3GHz 16C/32T	
RAM, GB	128	128	256	512
Scale Up Support	Storage / NIC / RAM			
Usable Capacity, TB**	4.8	9.6	15.3	23
Storage	960GB/1.92TB SATA Mix Use SSD 2x 240GB SSD RAID1 Boot Storage			
Networking	2x1 GbE + 2x10 GbE NDC 2x25 GbE (Private, RDMA-enabled)			
ProActive Services***	StarWind ProActive Premium Support Included by default			
Deduplication and Compression	Yes			

*Chassis Configuration and Scale Up Support may vary

**Approximate capacity

***Read more about StarWind ProActive Premium Support [here](#)

Switchless scale-out options are available for certain models.

For additional details please contact your sales manager.

Available hardware options are Supermicro and Dell OEM.

Other OEM options available on demand.



All-Flash StarWind HCAs now available with all-NVMe storage setup for use with Microsoft Hyper-V. Please inquire with your sales representative or partner for more details.

Capacity Flash

StarWind Capacity Flash Appliance utilizes automated storage tiering to handle performance-intensive workloads in a cost-efficient manner. It provides an excellent balance between performance and cost. These models are built to deliver high storage capacity and great performance. Also, you can scale up by adding more storage, memory, and interface cards. Clusters can also have mixed node configurations to adapt multiple workload requirements. With StarWind ProActive Premium Support included with the appliance, the responsibility for health status monitoring and availability of your applications is covered by StarWind Intelligent monitoring service and a team of professional support engineers.

Model	C-Spec 8.6	C-Spec 15.3	C-Spec 24.8	C-Spec 36.4
Chassis Configuration*	1U 8/10 bays	1U 10/10 bays	2U 15/24 bays***	2U 21/24 bays***
CPU	Intel Xeon Scalable Family			
	2x Silver 4208 2.1G 8C/16T	2x Gold 5218 2.3GHz 16C/32T		
RAM, GB	128	256	256	512
Scale Up Support	Disks / NIC / RAM	NIC / RAM	Disks / NIC / RAM	
Usable Capacity, TB**	8.6	15.3	24.8	36.4
Storage	960 GB / 1.92 TB SATA SSD 2x 240GB SSD RAID1 Boot Storage			
Networking	2x1 + 2x10 GbE 2x25 GbE (Private, RDMA-enabled)			
ProActive Services***	StarWind ProActive Premium Support Included by default			
Deduplication and Compression	Yes			

*Chassis Configuration and Scale Up Support may vary

**Approximate capacity

***Read more about StarWind ProActive Premium Support [here](#)

Switchless scale-out options are available for certain models. For additional details please contact your sales manager.

Available hardware options are Supermicro and Dell OEM. Other OEM options available on demand.

Value Flash

StarWind Value Flash Appliance is an option for low-footprint IT infrastructures. These models are built to provide a balance between performance and cost-efficiency for several VMs and low storage requirements. Also, you can scale up by adding more storage, memory, and interface cards. Clusters can also have mixed node configurations to adapt multiple workload requirements. With StarWind ProActive Premium Support included with the appliance, the responsibility for health status monitoring and availability of your applications is covered by StarWind Intelligent monitoring service and a team of professional support engineers.

Model	V-Spec 3.8	V-Spec 7.6
Chassis Configuration*	1U 5/10 bays	1U 5/10 bays
CPU	Intel Xeon Scalable Family	
	2x Silver 4208 2.1G 8C/16T	
RAM, GB	128	
Scale Up Support	Disks / NIC / RAM	
Usable Capacity, TB**	3.8	7.6
Storage	960GB / 1.92TB SATA SSD 2x 240GB SSD RAID1Boot	
Networking	2x1 + 2x10 GbE 2x10/25 GbE (Private)	
ProActive Services***	StarWind ProActive Premium Support Included by default	
Deduplication and Compression	Yes	

*Chassis Configuration and Scale Up Support may vary

**Approximate capacity

***Read more about StarWind ProActive Premium Support [here](#)

Switchless scale-out options are available for certain models. For additional details please contact your sales manager. Available hardware options are Supermicro and Dell OEM. Other OEM options available on demand.

Supported Hypervisors: Microsoft Hyper-V, VMware vSphere, KVM (coming soon)

Supported Operating Systems: Microsoft Windows Server 2012, 2012 R2, 2016, 2019

Supported Container Platforms: Docker

Supported IaaS Platforms: OVH vCloud Air

Supported Storage Protocols: iSCSI, iSER, SMB3, SMB Direct, NFSv4.1, NVMe-oF

Supported Storage Management & Integrations: SMI-S, VVols, Redfish™, Swordfish™

Recommended Switches: Mellanox MSN2100, MSN2010, Dell S4810

Virtual Machine Backup and Replication: Veeam® Backup and Replication™ V10

Monitoring, Reporting and Capacity Planning: Veeam® ONE™ V10

Management and Security: StarWind Web Management, StarWind Command Center, StarWind ProActive Services*

Optional Components: 5nine Manager; Microsoft SCVMM, Windows Admin Center; VMware vSphere Operations Management

*ProActive services are available in specific countries. Please contact your account manager or distributor for more details.

System configurations presented in this document are for reference only. For exact system configuration please inquire with your Account Manager.

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