



Datasheet

HyperConverged Appliance

For organizations looking to increase their application uptime, while having limited IT resources and budgets, our solution is StarWind HyperConverged Appliance (HCA). StarWind HCA is a 100% turnkey solution that comes fully preconfigured according to your business needs. 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 and full functionality starting with just 2 nodes.

Performance and Features

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

Simplicity of Use

- > 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 brings 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.



Split Digital LLC goes hyperconverged with StarWind to make their system highly available and easily scalable under a transparent pay-as-you-grow model

"We now have hyperconverged infrastructure that exactly fits what we wanted for extreme reliability and extreme uptime. This is perfect for a small company like us, as we can be much more nimble and responsive to our customers"

Matthew Henson, the Founder

Performance Flash

StarWind Performance Flash Appliance is designed for small and mid-size SMB virtualized environments. All-flash storage with Intel® OPTANE™ powered hot tier configuration provides the very 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 3.8	P-Spec 7.6	P-Spec 15.3	P-Spec 23
Chassis configuration*	1U 7/10		2U 11/24	2U 17/24
CPU	Intel® Xeon® Scalable Family			
	2x Silver 4208 2.1GHz 8C/16T		2x Gold 5218 2.3GHz 16C/32T	
RAM, GB	128		256	512
Scale Up Support	Storage / NIC / RAM			
Usable Capacity, TB**	3.8	7.6	15.3	23
Storage	960GB/1.92TB SATA Mix Use SSD 2 x 375 GB Intel® OPTANE™ Memory 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. 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 are available on demand.

**Approximate capacity

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



StarWind HCA, SA and BA is now available with all-NVMe storage setup. Please inquire with your sales representative or partner for more details.

Capacity Flash

StarWind Capacity Flash Appliance utilizes Intel® OPTANE™ powered hot tier 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 7.6	C-Spec 15.3	C-Spec 30.7	C-Spec 46.08
Chassis Configuration*	1U 7/10	2U 19/24		2U 17/24
CPU	Intel® Xeon® Scalable Family			
	2x Silver 4208 2.1G 8C/16T	2x Gold 5218 2.3GHz 16C/32T		
RAM, GB	128	256		512
Scale Up Support	Disks / NIC / RAM	NIC / RAM	Disks / NIC / RAM	
Usable Capacity, TB**	7.6	15.3	30.7	46.08
Storage	960 GB / 1.92 / 3.84 TB SATA SSD 2 x 375 GB Intel® OPTANE™ memory 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. 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 are available on demand.

**Approximate capacity

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

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	
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. 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 are available on demand.

**Approximate capacity

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

Supported Hypervisors: Microsoft Hyper-V 2012R2, 2016, 2019, 2022; VMware vSphere 6.5, 6.7, 7.0; KVM^{coming soon}

Supported Container Platforms: Docker, Kubernetes

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 and V11

Monitoring, Reporting and Capacity Planning: Veeam® ONE™ V10 and V11

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

Optional Components: 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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