



HCA Value Proposition

For SMB and ROBO who are looking to simplify virtualization deployment, maximize uptime, and optimize cost our solution is StarWind HCA. It is a turn-key hyper-converged platform that unifies commodity servers, disks and flash, with your hypervisor of choice (vSphere, HyperV, or XenServer) and associated software into a single manageable layer. The appliance requires minimum effort from the on-site IT team and is a true IT infrastructure “Building block”.

Additionally, it features an optional built-in cloud gateway, in order to utilize public cloud storage as a tier where cold storage capacity is required.

Performance and Features



- Storage fault tolerance combined with local reconstruction codes for maximum resiliency
- Multiple hypervisor support for a seamless integration into any existing environment
- Uncompromised performance thanks to “Grid” scale out & leveraging “data locality” for all I/O

Simplicity of Use



- Pre-built, pre-configured, pre-tested system resulting in a plug-and-play solution
- Simple management made possible with use of native hypervisor management tools
- Single Point of Contact support for all components with Standard and ProSupport++ options

Low Cost



- Commercial Off-the-Shelf components, no overpriced proprietary hardware
- Minimalistic hardware footprint: starter FT kit requires just 2 nodes and no extra hardware
- Transparent data offload to public cloud: pay only for the storage capacity you are using



Anchor Brewing Implements StarWind as a Storage Solution for Virtual Desktop Infrastructure (VDI)

"The stability has never been an issue, not even a single hiccup. This is a product I would highly recommend especially in the SMB market where budgets are always tighter and utilizing hardware for multiple purposes makes the management very happy."

Daniel Covell, IT Consultant of Anchor Brewing Company, Founder and President of The Covell Group LLC

Supported Hypervisors: Hyper-V, including Microsoft Hyper-V server, vSphere, including free vSphere hypervisor; Xen (coming soon)

Switches (Optional component): Mellanox SX1012, Mellanox SX1024, Dell S4810

Virtual Machine Backup and Replication: Veeam® Backup and Replication™ V9.5

Monitoring, Reporting and Capacity Planning: Veeam® ONE™ V9

Management and Security: StarWind Web Management; Optional: 5nine Management, Microsoft SCVMM, VMware vSphere Operations Management

Model Description

L – StarWind HCA Model L is the mid-level system for SMB virtualized environments. The starter set packs all the essential components of the virtualization appliance in 2 servers simplifying the configuration and minimizing the initial investment. 1U form factor provides maximum compute power in minimum rack space without resorting to proprietary blade and module server systems. The all-flash configuration provides the best capacity-performance ratio.

Model	L-AF 3.2	L-AF 4.8	L-AF 7.2	L-AF 9.6
CPU	Intel Xeon 2x 2620 v4 2.1GHz, 8 Cores, HT	Intel Xeon 2x 2620 v4 2.1GHz, 8 Cores, HT	Intel Xeon 2x 2630 v4 2.2GHz, 10 Cores, HT	Intel Xeon 2x 2640 v4 2.4GHz, 10 Cores, HT
Raw Capacity, TB	4	5.6	8	11.2
Usable Capacity, TB	3.2	4.8	7.2	9.6
RAID	5 (default), 1,10,6 on demand			
RAM	64 GB	96 GB	128GB	128GB
Networking	4x 1 GbE		4x1 GbE	
Private Connectivity (RDMA-enabled)	2x 10 GbE		2x40 GbE	
Operating Protocols	iSCSI, iSER, SMB3, SMB Direct, NFSv4.1, VVOLs			
Deduplication	Yes			
Compression	Yes			

XL – StarWind HCA Model XL is a high-end virtualization appliance, which provides uncompromised performance for high load virtual server and VDI workloads. The starter set packs all the essential components of the virtualization appliance in just 2 servers, simplifying the configuration and lowering the datacenter footprint. RDMA-enabled 40 GbE interconnect delivers high performance clustering experience with minimized latency and overhead.

Model	XL-AF 12	XL-AF 15.2	XL-AF 19.2	XL-AF 24
CPU	Intel Xeon 2x 2667 v4 3.2GHz, 8 Cores, HT	Intel Xeon 2x 2667 v4 3.2GHz, 8 Cores, HT	Intel Xeon 2x 2683 v4 2.1GHz, 16 Cores, HT	Intel Xeon 2x 2683 v4 2.1GHz, 16 Cores, HT
Raw Capacity, TB	12.8	16	20.8	25.6
Usable Capacity, TB	12	15.2	19.2	24
RAID	5 (default), 1,10,6 on demand			
RAM	192 GB	256 GB	320 GB	512 GB
Networking	2x1 GbE + 2x10 GbE + 2x40GbE			
Private Connectivity (RDMA-enabled)	2x40GbE			
Operating Protocols	iSCSI, iSER, SMB3, SMB Direct, NFSv4.1, VVOLs			
Deduplication	Yes			
Compression	Yes			