

# V3 EUC Node Appliances

Designed for simple virtual desktop deployment and management to remote and branch offices

## Highlights

- Easy deployment
- Breakthrough simplicity
- Consistent performance
- Scalable to 10,000 desktops per Horizon Cloud Pod
- Built-in management
- No training required
- Superior TCO
- Secure

The V3 appliance is a hyperconverged, turnkey infrastructure that integrates compute, storage, network interface, hypervisor infrastructure, and powerful management software. V3 technology eliminates the performance bottlenecks, installation problems and unpredictable scalability of traditional Virtual Desktop Infrastructure (VDI) deployments.

The V3 End User Computing (V3 EUC) family of appliances are the workhorses of our V3 product line. Compatible with the previous generation V3 V50\V100\V200 appliances, the V3 EUC appliances are designed for ROBOs (Remote Office, Branch Offices). Like all V3 appliances, they can be single appliance installations onsite or pre-configured for workload optimization by user experience or compute requirements.

The benefits and cost savings are dramatic compared with both physical desktops and traditional, multi-vendor VDIs. With V3, users experience both superior performance and increased productivity. Total cost of ownership is significantly lower including acquisition, maintenance, administration, power consumption and cooling.

**The complete solution available now from Sphere 3D.** Sphere 3D delivers a complete turnkey solution including V3 VDI appliances, VMware licenses and SnapServer® Network Attached Storage (NAS). Overland Storage and its partners also provide pre and post-sale services including architecting, pre-sales engineering, installation, training, consulting and customization.

**Superior manageability with V3 Desktop Cloud Orchestrator (DCO).** DCO is a comprehensive management solution that supports pool creation, pool migration and policy-based administration for failover, backup, and reporting. DCO delivers simplification thereby eliminating arduous, expensive training required by industry-standard hypervisor administration tools. DCO is bundled into the cost of a V3 appliance and it includes everything a desktop administrator needs to manage desktops in a single, secure, centralized console.

## Features & benefits of V3 turnkey virtual desktop appliances

Key Feature	Function	Benefit
Storage and compute architected and integrated by V3 for maximum performance	Enable significantly better performing and responsive desktop speed	Superior user experience to physical desktops
Accommodates all types of users from shift workers to executives	Supports persistent and non-persistent desktops	Migrate entire workforce to lower-cost, higher-performance VDI
Purpose-built appliance	Storage, compute, and management contained within a single rack-mounted device	Dramatic simplification of deployment, management, and scaling vs. cobbled-together solutions
V3 appliances arrive pre-provisioned onsite	Shorten time to deployment	Minimize deployment time, cost and disruption
A single, user-friendly integrated, built-in management console provided	Simplify and scale management of V3 appliances	Ease of management, no special training or advanced IT skillset required to manage virtual desktop infrastructure
Built-in fault tolerance	Local pool replication and failover managed by DCO	Maximum uptime and business continuity
Dramatically simplified data storage	Built-in high-performance storage with optional and simple NAS for additional storage requirements	No expensive, proprietary, or complex storage infrastructures to install, manage or maintain
Highly secure desktop computing	No data is transferred or stored on users' desktops. Administrator-controlled access is realtime	Complete control over security
Dramatically superior TCO and flexibility vs. physical desktops	Compared to physical desktops: <ul style="list-style-type: none"> <li>• less hardware to buy</li> <li>• less training</li> <li>• lower management overhead</li> <li>• better user experience</li> <li>• higher reliability</li> <li>• less power and cooling</li> <li>• better user experience</li> </ul>	Better performance to IT SLAs at a lower cost and better ROI



## Specifications

	V3 EUC KW Appliances			V3 EUC BG Appliances		
Workload profile	<ul style="list-style-type: none"> <li>Knowledge worker:               <ul style="list-style-type: none"> <li>3 or more applications open</li> <li>uses productivity applications like Microsoft Office</li> <li>uses multiple browser windows</li> </ul> </li> </ul>			<ul style="list-style-type: none"> <li>Business graphics worker:               <ul style="list-style-type: none"> <li>higher-end knowledge workers need additional graphic compute power at times for viewing digital content</li> </ul> </li> </ul>		
Appliance offerings	V3 KW-MIN-2U	V3 KW-MID-2U	V3 KW-MAX-2U	V3 BG-MIN-2U	V3 BG-MID-2U	V3 BG-MAX-2U
Concurrent users	Up to 64	Up to 120	Up to 200	Up to 64	Up to 96	Up to 128
System scalability	Scales with drop-in appliances to 10,000 Desktops per Horizon Cloud Pod			Scales with drop-in appliances to 10,000 Desktops per Horizon Cloud Pod		
Form factor	2U rackmount			2U rackmount		
Pre-configured software	Desktop Cloud Orchestrator, VMware vSphere, vCentre & Horizon View (30-day trial), Windows Server (30-day trial)			Desktop Cloud Orchestrator, VMware vSphere, vCentre & Horizon View (30-day trial), Windows Server (30-day trial)		
Processors / CPU	Intel Xeon E5-2600 v3, 16 cores, 2.4GHz	Intel Xeon E5-2600 v3, 24 cores, 2.3GHz	Intel Xeon E5-2600 v3, 28 cores, 2.6GHz	Intel Xeon E5-2600 v3, 24 cores, 2.3GHz	Intel Xeon E5-2600 v3, 24 cores, 2.3GHz	Intel Xeon E5-2600 v3, 24 cores, 2.3GHz
Memory	192GB	256GB	512GB	192GB	256GB	320GB
Power supply	2 x 2000W AC	2 x 2000W AC	2 x 2000W AC	2 x 2000W AC	2 x 2000W AC	2 x 2000W AC
Cooling	Redundant hotswap cooling fans			Redundant hotswap cooling fans		
Storage	2TB solid state storage	3TB solid state storage	4TB solid state storage	2TB solid state storage	3TB solid state storage	4TB solid state storage
Network Connectivity	4 x 1GbE, 2 x 10GbE			4 x 1GbE, 2 x 10GbE		
Server offload card or graphics card	Teradici	Teradici	Teradici	2 x NVIDIA K1	3 x NVIDIA K1	4 x M60
Warranty	1 year advanced parts replacement w/ 2-day delivery, 9x5 telephone support			1 year advanced parts replacement w/ 2-day delivery, 9x5 telephone support		

	V3 EUC PG Appliances			
Workload profile	<ul style="list-style-type: none"> <li>Professional graphics worker:               <ul style="list-style-type: none"> <li>uses 3D CAD/CAM software for designing, modelling and rendering</li> <li>creates motion graphics</li> <li>works with very large files</li> </ul> </li> </ul>			
Appliance offerings	V3 PGR-MIN-2U	V3 PGR-MID-2U	V3 PGR-MAX-2U	V3 PGR-MAX-2U
Concurrent users	Up to 8 (rendering multi-thread applications use case)	Up to 8 (modeling & design/single-thread applications use case)	Up to 16 (rendering multi-thread applications use case)	Up to 16 (modeling & design/single-thread applications use case)
System scalability	2U scale with drop-in appliances to 10,000 Desktops per Horizon Cloud Pod			
Form factor	2U rackmount			
Pre-configured Software	Desktop Cloud Orchestrator, VMware vSphere, vCentre & Horizon View (30-day trial), Windows Server (30-day trial)			
Processors / CPU	Intel Xeon E5-2600 v3, 28 cores, 2.6GHz	Intel Xeon E5-2600 v3, 8 cores, 3.5GHz	Intel Xeon E5-2600 v3, 36 cores, 2.3GHz	Intel Xeon E5-2600 v3, 16 cores, 3.2GHz
Memory	192GB	192GB	384GB	384GB
Power supply	2 x 2000W AC	2 x 2000W AC	2 x 2000W AC	2 x 2000W AC
Cooling	Redundant Hotswap Cooling Fans			
Storage	2TB solid state storage	2TB solid state storage	4TB solid state storage	4TB solid state storage
Network connectivity	4 x 1GbE, 2 x 10GbE			
Server offload card or graphics card	1 x NVIDIA K2	1 x NVIDIA K2	2 x NVIDIA K2	2 x NVIDIA K2
Warranty	1 year advanced parts replacement w/ 2-day delivery, 9x5 telephone support			

Sales and support for Sphere 3D products and solutions are available in over 90 countries. Contact us today at [sales@sphere3d.com](mailto:sales@sphere3d.com). For a full list of Sphere 3D addresses and phone numbers, please see our website at: <http://sphere3d.com/contact-us/>.