

# THE PROMISE OF HYPERCONVERGENCE FOR EVERYONE

Simple - Agile - Scalable - Efficient - Unified



## VSKyCube, unlocks the full potential of infrastructure hyperconvergence

Keeping pace with the ever-changing business landscape requires company IT infrastructure systems that support fast, responsive development processes. The VSKyCube hyperconverged system from Promise allows you to unlock the full potential of IT infrastructure hyperconvergence and adapt IT to the needs of your workloads, optimized to give small and medium enterprises the speed, efficiency and flexibility that they need, while scaling exceptionally well for large data centers applications.

VSKyCube combines tightly-coupled, software-defined, compute, storage, and networking in the form of hyperconverged nodes with a centralized single pane-of-glass management system - VSKyView to deliver a pre-integrated, unified pool of resources that:

- Provides an extremely economical infrastructure to run virtual machine-based applications
- Effortlessly scales out as demand for either or both compute and storage capacity surge
- Manages growth while allowing IT to run smoothly

## Simplified deployment and unified management

- VSKyView centralized management system, provides rapid and simple deployment and management from a single pane of glass interface.
- Script-based orchestration makes complex deployment a breeze.
- Workload migration utility available to simplify transition from physical Windows servers and accelerate deployment.
- Deployment and scaling actions such as volume expansion or physical storage resource expansion can be performed simply while maintaining data and system availability.

## Highly scalable and predictable IT infrastructure

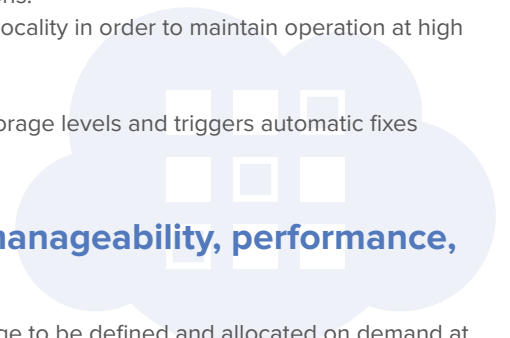
- Simplifies IT infrastructure growth planning by offering with linear predictability in compute power growth as nodes are added to the cluster.
- Minimum deployments start from just one node, scalable one node at a time, up to 32 nodes per cluster.
- Multiple appliance models allow you to deploy for compute-intensive, storage-intensive, as well as compute-storage-balanced mixed workloads. This granularity allows for superb cost savings by allowing customization of scale-out.

## Agile, highly available, and economical computing services

- Fully integrated with KVM hypervisor with no additional license costs.
- Full integration of VMs and virtual networking eases deployment of multi-tier applications.
- VM migration with or without service shut down are supported while maintaining data locality in order to maintain operation at high performance level.
- Supports VM-based snapshots to protect VM's system and associated data volumes.
- High resilience and availability: VSKyCube automatically detects failures on multiple storage levels and triggers automatic fixes without reducing the availability storage.

## Server SAN storage - Improved availability, scalability, manageability, performance, and capacity utilization

- VSKyCube "application-driven, software-defined" server SAN architecture allows storage to be defined and allocated on demand at application deployment time.
- Allows individual applications to specify specific storage attributes such as:
  - ◆ Performance: SSD caching, tiering
  - ◆ Storage behavior: thin-provisioning, dynamic volume expansion
  - ◆ Data protection: Local RAID, RAIN (RAID5-like striping across nodes)









## Why Hyperconvergence?

- Consolidates IT resources allowing maximization and flexibility of use.
- Operationalizes "Multi-modal IT" by supporting new technology deployment without affecting resources already at work in your production environment.
- Avoids or reduces common enterprise IT issues associated with interoperability, single window for technical support and implementing pay-as-you-grow cost model for Remote or Branch Offices (ROBO).

## Appliance Models

VSKyCube integrated, software-defined compute, storage, and networking appliances are offered in multiple models optimized for compute-intensive, storage-intensive, as well as mixed workloads. Nodes can be mixed-and-matched to customize deployments to current and planned requirements.

VSkyCube Product	c102	c100	i200	s200	s410	s420
Image						
Rack Unit	1U, 1-node	1U, 1-node	2U, 4-node	2U, 1-node	4U, 1-node	4U, 2-node
Compute per node	1 x Intel Xeon® E5-2630v4	2 x Intel Xeon® E5-2630v4	2 x Intel Xeon® E5-2630v4	2 x Intel Xeon® E5-2630v4	2 x Intel Xeon® E5-2630v4	2 x Intel Xeon® E5-2630v4
Memory per node	64 GB	256 GB	256 GB	256 GB	256 GB	256 GB
Networking per node	Dual-port 10 GBASET	Dual-port 10 GBASET or 10G SFP+	Dual-port 10 GBASET or 10G SFP+	Dual-port 10 GBASET or 10G SFP+	Dual-port 10 GBASET or 10G SFP+	Dual-port 10 GBASET or 10G SFP+
Storage per node*	3 x 3.5" NL SAS HDD	3 x 3.5" NL SAS HDD	5 x 2.5" SAS HDD	11 x 3.5" NL SAS HDD	3 x 2.5" SAS HDD 75 x 3.5" NL SAS HDD	3 x 2.5" SAS HDD 32 x 3.5" NL SAS HDD
Caching per node	1 x 480 GB SSD	1 x 480 GB SSD	1 x 480 GB SSD	1 x 480 GB SSD	2 x 480 GB SSD	2 x 480 GB SSD
Optimization	Compute intensive	Compute intensive	Compute/Storage (balanced)	Storage intensive	Storage intensive	Storage intensive
Physical Dimensions	710 mm X 430 mm X 43.5 mm		800mm x 449mm x 87mm	750mm X 448mm X 87.6mm	912.2 mm X 447 mm X 175.3 mm	
Weight	19Kg		60Kg	28Kg	~130Kg	
Power Supply	Dual 650W Redundant Platinum		Dual 1200W Redundant Platinum	Dual 550W Redundant Platinum	Four 1200W Redundant Platinum	
System Cooling	5 swappable fans		16 swappable fans	4 swappable fans	5 swappable fans	
Environment	Operation temperature: +10°C ~ +35°C / Non-operating temperature: -40°C ~ +70°C		Operation temperature: +10°C ~ +35°C / Non-operating temperature: -40°C ~ +70°C	Operating temperature: +5°C ~ +35°C / Non-operating temperature: -40°C ~ +70°C	Operating temperature: +5°C ~ +35°C / Non-operating temperature: -40°C ~ +65°C	
Certifications	FCC/CE/VCCI/RCM/BSMI/CB/KCC		TBD	BSMI/TUV/CE/CCC/RCM/UL	FCC/CE/UL/ICES/VCCI/BSMI/EAC/KCC/RCM	
Warranty	3-year Limited Warranty					

Hardware specifications may vary due to customization and other factors

\* Storage capacity depends on model and hard drives selected, current options are - 2.5": 1.2TB, 1.8TB, 3.5": 4TB, 6TB, 8TB, 10TB. Please consult with a sales representative for further customization options

