

3Gen® Hyper – Convergence Solution

◆ Consolidate Server, Desktop, Application and Storage into one appliance with 3X TCO savings.

The need to constrain and control large amounts of virtualized environments while restraining storage footprint had never been greater. VServer Solution enables accelerated, non-disruptive VM deployments without sacrificing storage and application needs within a single unified architecture.

◆ Fuss-free scalability

VServer Pro Solution allows easy expansion and shrinkage of systems and data volumes. Each node supports a large number of fully protected VMs, with the networked collection of nodes at both local and remote sites managed as single entity.

◆ Simple to use and manage

VServer Pro Solution is a purpose-built and self-tuned enterprise-ready solution with automated load balancing and redundant hardware to ensure continuous, uninterrupted operation.

◆ Efficiency for the entire data lifecycle

VServer Pro achieves a 50 to 1 data efficiency while simultaneously increasing application performance by de-duplicating, compressing and optimizing all data inline, in real time, at inception, once and forever across all stages of the data lifecycle.

◆ 5X faster performance than other competitive product

Outstanding file-based and transaction based performance with high bandwidth,64-bit architecture, and the latest I/O technologies.

◆ Lock tight security for all IT data and assets

Best in class security incorporated into every step of the product lifecycle from development to deployment and operation

◆ Speedy Disaster Recovery via Global Clustering and Remote Volume Mirroring

Capable of mirroring critical data to local and remote locations with FC and / or Ethernet ports

High Value with unbeatable ROI

Today's data centers demand innovation and increasing flawless execution in all virtualized environments. 3Gen VServer Pro is capable of handling application, server, desktop and storage tasks within a single footprint. Packed with enterprise features and protected with a 3 year warranty. VServer Pro delivers integrated desktop/server provisioning, lowers cost of deploying new applications and improves data integrity via 3Gen's advanced High Availability technology.

High Availability and Advanced Data Protection

VServer Pro Solution delivers an enterprise cloud platform that converges server, desktop, storage and virtualization into a resilient, software-defined solution that powers mission-critical workloads at any scale. All systems include hot swap technology and block level volume cloning software for maximum data protection. 3Gen VServer provides automatic backup/restore with file level asynchronous remote data mirroring and block level sync/async volume mirroring. Effortlessly optimize security and capacity with a full suite of enterprise software such as Global Clustering (Active-Active and Active-Passive), WORM, real-time Volume Encryption, dynamic Thin Provisioning and block level data de-duplication(with 70% capacity savings). 50% power and cooling savings over systems requiring physical servers and physical SANs and/or NAS storage devices enables data centers achieve an even lower carbon footprint.

High Usability

VServer Pro has a web based interface can be installed in just 15 minutes with plug-and-play network. IT administrators can finally eliminate stranded storage with 3Gen Thin Provisioning. Preserving investment in staff expertise and capital equipment is easy because with 3Gen's virtualized computing solution, data centers can reduce infrastructure costs and administrative support of physical servers and desktops to just one platform.

High Standardization and Security

A loss of a device no longer means a catastrophic data loss because VServer Pro has a centralized computing format that provides for consistent standards and security across all applications, desktops and servers as well as facilitates remote office support and rollout of applications

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Data specifications



vServer Pro		V9040Pro	V9080Pro	V9120Pro	V9120Pro-DC
Specification					
Form Factor & Bay		2U 8Bay	3U 16Bay	4U 24Bay	2U12Bay x 2
OS		3Gen® EnterPrise Unified OS and vServer			
CPU Type		Intel® Xeon Quad Core E5-2620 * 2 or Higher			
Memory		Up to 512GB ECC Registered Memory			
Host (Enternet)	1Gb Default/Max	4 / 10	4 / 20	4 / 20	2 x 4 / 2 x 10
Interface	10GbE (option)	10	20	20	2 x 10
Expansion Port / Max (option)		(1)*miniSAS / 4	(1)*miniSAS / 4	(1)*miniSAS / 4	(2)*miniSAS / 4
HDD Type		2.5 and 3.5" SATA / NL-SAS / SAS / SSD HDDs (Hot-swap) Serial ATA III or SAS HDDs – 750 HDDs with optional JBOD			
SSD Caching (SSD Flash Accelerate)		120GB or above	120GB or above	120GB or above	120GB or above
Total Power Consumption		(2)*800 watts	(2)*800 watts	(2)*800 watts	(2)*1000 watts
Dimension (W*D*H)		482*700*89	482*648*133	482*700*177	482*700*177
vServer					
Client OS (VM)		Client OS (VM) creation , snapshot , Cloning and recovery			
Resource scheduling		Yes	Yes	Yes	Yes
HBA FC and 10Gb Graphic pass-thru		Yes	Yes	Yes	Yes
Create and upload client OS		Yes	Yes	Yes	Yes
Live Migration of client OS		option	option	option	option
Client OS High Availability (HA)		option	option	option	option
Client OS Fault Tolerance (FT)		option	option	option	option
Remote Disaster Recovery (DR)		option	option	option	option
Data Protection and Reliability					
Online Volume Expansion		Yes	Yes	Yes	Yes
RAID Support		RAID 0, 1, 5, 6, 10, 50, 60 and JBOD			
SnapBack / SnapQuick / Volume Clone		Yes	Yes	Yes	Yes
Storage Gateway		option	option	option	option
Auto-Tiering		option	option	option	option
Dyanmic Thin Provisioning		option	option	option	option
Performance Enhancing SSD		option	option	option	option
Redundant IS		option	option	option	option
Data Mirroring (Block Level)		option	option	option	option
Data De-duplication (Block based)		option	option	option	option
Real Time Volume Encryption		option	option	option	option