



# Hyper-Convergence V-Server Pro

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

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

**Multi-Node fuss-free scalability**

Multi-nodes Solution is a purpose-built and self-tuned enterprise-ready solution with automated load balancing and redundant hardware to ensure continuous, uninterrupted operation. Employing distributed block system to make sure the data is available locally and on the failover node.

**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 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 products**

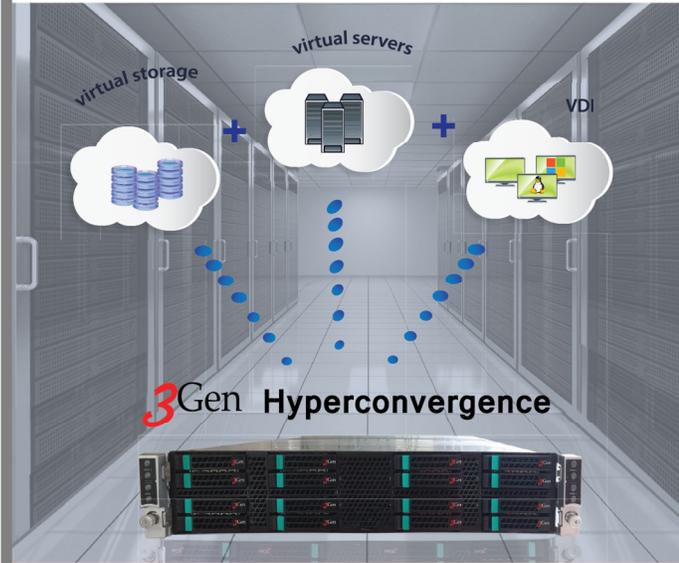
Outstanding file-based and transaction-based performance with high bandwidth, 64-bit architecture and the latest I/O technologies.

**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



**High Value with Unbeatable ROI**

Today's data centers demand innovation and increasingly 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 multi-node Active-Active Global Clustering, distributed block system to send data to other node for failover protection, 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 consistent standards and security across all applications, desktops and servers as well as facilitates remote office support and rollout of applications



**Hyper-Convergence**  
**V-Server Pro**



**Data specifications**



**IntelliNAS V9040Pro, V9060Pro, V9080Pro, V9120Pro,  
V9160Pro, V9120ProDC (2 nodes) and V9240Pro (4 nodes)  
(2U, 3U and 4U)**

**Configuration**

|                            |                              |
|----------------------------|------------------------------|
| Operating System           | 3GenOS 64bit                 |
| CPU(s)                     | Intel Xeon Scalable CPUs     |
| Memory                     | Up to 2TB per node           |
| Internal Storage Interface | Serial ATA III, SAS and NVMe |

**VServer**

|   |          |
|---|----------|
| Client OS (VM) creation, snapshot, cloning and recovery | Yes      |
| Resource scheduling                                     | Yes      |
| HBA FC and 10Gb pass-thru                               | Yes      |
| HBA Graphic card and USB pass-thru                      | Yes      |
| Create and upload client OS                             | Yes      |
| Live Migration of client OS                             | Yes      |
| Multi-node Active-Active Cluster                        | Optional |
| Client OS High Availability (HA)                        | Optional |
| Client OS Fault Tolerance (FT)                          | Optional |
| Remote Disaster Recovery (DR)                           | Optional |

**Data Protection and Reliability**

|   |                                |
|---|--------------------------------|
| Hot swap HDD                            | True Hot Swap                  |
| RAID                                    | RAID 0, 1, 5, 6, 10, 50 and 60 |
| Online Volume Modification              | Yes                            |
| SnapBack / SnapQuick                    | Yes                            |
| Volume Cloning                          | Yes                            |
| Redundant Cooling Fans and Power Supply | Yes                            |
| UPS and Environmental Support           | Yes                            |
| Storage Gateway                         | Optional                       |
| Auto-Tiering                            | Optional                       |
| Block level Data De-duplication         | Optional                       |
| Dyanmic Thin Provisioning               | Optional                       |
| Data Mirroring                          | Optional                       |
| Redundant OS                            | Optional                       |
| Performance Enhancing SSD               | Optional                       |
| Clustering (Act.-Act. / Act.-Pass.)     | Optional                       |
| Real Time Volume Encryption             | Optional                       |

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