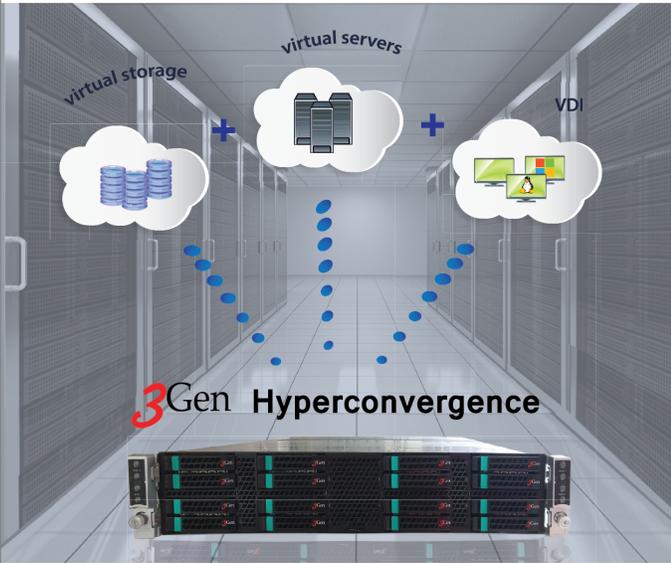




# Hyper-Convergence vServer FT(Fault Tolerance)



- 3Gen vServer Fault Tolerance delivers 24X7 continuous availability**  
Provides zero-downtime, zero-data loss, continuous availability for any application, without the cost or complexity of traditional solutions.
- Delivers uninterrupted service with simplicity and low cost**  
Fault-Tolerance Solution works with existing 3Gen HCI platform. Any virtual client can activate fault tolerance protection by enabling software license key.
- Industry standard x86 system support with unlimited number of virtual CPU cores**  
3Gen Fault Tolerance Solution is a purpose-built and enterprise-ready solution with automated monitoring and self-tuning algorithm to ensure continuous, uninterrupted operation.
- Low TCO via industry-standard infrastructure with flexible storage options**  
Supports all standard internal storage options including all-flash, SAS and SATA hard disks. Supports all external storage options including JBOD, FC and network storage.
- 2X faster performance than other competitive products**  
3Gen proprietary distributed block-based virtualization technology incorporates the latest 3Gen I/O technologies to provide 2X faster performance than other competitor's file-based virtualization solution.
- 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
- Simple and Speedy installation and support via 3Gen Worldwide Support and Global trained partners**  
Best-in-class support team handles the installation and support throughout the life of the product.



## High Value with Unbeatable ROI

3Gen Fault Tolerance (FT) is a new component of 3Gen HCI vServer solution that provides continuous availability to applications; prevent downtime and data loss in the event of system failures. Traditional solutions that address this problem through hardware redundancy or clustering are complex and expensive. 3Gen vServer HA solution addresses system failures by automatically restarting virtual machines on alternate systems. 3Gen Fault Tolerance takes high availability to the next level, completely eliminating downtime due to hardware failures with simplicity, at a low cost across all commercial and custom build applications.

## 3Gen Proprietary Fault Tolerance Technology based on 3Gen Lockstep algorithm

3Gen Fault Tolerance creates a live instance of the primary virtual machine and run in parallel on another physical system. 3Gen Lockstep algorithm enables the two virtual machines execute the exact same set of events at any given time. The two virtual machines constantly heartbeat against each other and if either virtual machine instance loses the heartbeat, the other takes over immediately. The failover is instantaneous with no loss of data or state.

## High Usability

3Gen Fault Tolerance 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 technology. Preserving investment in staff expertise and capital equipment is easy 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's centralized computing format that provides consistent standards and security across all applications, desktops and servers as well as facilitates remote office support and application rollout.



**Hyper-Convergence**  
**vServer FT(Fault Tolerance)**



# Product specifications

## Hardware

Number of nodes per Fault Tolerance Bundle CPU Memory Ethernet ports RAID Network cards Storage Interface	Two Industry Standard X86 systems with Intel Virtual Technology enabled Minimum 8GB Minimum Dual 10Gb ports (dedicated for 3Gen) 3Gen RAID and LSI / OEM hardware RAID cards Intel, Broadcom and OEM Internal : Serial ATA III, SAS and NVMe External: FC, Ethernet Network and SAS JBOD
---	---

## Client Operating Systems

Operating Systems Number of virtual machines per FT system Number of CPU core per virtual machine Storage capacity per virtual machine Number of network ports per virtual machine	Microsoft Windows and Linux No limit No limit No limit No limit
--	---

## Product Features

3Gen RAID Browser based Management Software LDAP and Microsoft AD Support Online Volume Modification SnapBack / SnapQuick Instant Volume Cloning UPS and Environmental Support Dynamic Thin Provisioning Block based Synchronous Data Mirroring Live Migration Email alert Automated and Self Learning Error Diagnostic Automated and Self Learning System Tuning Fault Tolerance Failover Storage Gateway NVMe Caching	RAID 0, 1, 5, 6, 10, 50 and 60 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Under 3 seconds Optional Optional
--	---

**USA**  
120 Lake Village Drive, Suite  
101  
Ann Arbor, MI 48103  
Tel: (415) 639-5394

**INDIA**  
B-23, 1<sup>st</sup> Floor, DDA Sheds,  
Okhla Industrial Area,  
Phase-II, New Delhi-110020  
Tel:91-97161-49573

**JAPAN**  
City Plaza Shinjuku 603  
2-5-20 Okubu, Shinjuku-ku  
Tokyo 169-0072  
Tel/Fax: 81-3-3205-6390

**TAIWAN**  
Lane 298, 8 Xinming Road,  
2nd Fl.  
Nei Hu Dist., Taipei, Taiwan  
Tel: 02-2791-2650

**KOREA**  
6F, Korea Housing Center  
45-11 Yeouido-dong,  
Yeongdeungpo-ku,  
Seoul, 150-736 Korea  
Tel: 82-2-786-2204