Hyper-Converged Platform

The Foundation of Your Agile Data Center

ITPOD ITG

vStack ITG

The Future of Infrastructure is Software-Defined

vStack HCP is all-flash hyperconverged platform that unifies compute, storage, and networking into a single, intelligent software stack.
Built for modern Enterprises, it delivers a cloud-like experience on-premises, enabling rapid deployment of virtual machines, Kubernetes and enterprise apps.

vStack HCP simplifies IT operations and accelerates digital transformation: built-in high availability, automated failover and a powerful web-based management interface.

Ultimate Hardware Platform for Modern Workloads

The ITPOD-SL201-D12R-NV-G4 server – flexible, high-performance building block of modern IT infrastructure. Ideal for high-density virtualization, Software-Defined Storage (SDS), k8s and Enterprise Database.

ITPOD servers power tomorrow's data centers today with Intel Xeon Scalable Gen5 processors, PCIe 5.0 NVMe drives and enterprise-grade NBD support.

Unifies three key software-defined layers with vStack HCP and ITPOD

SDS (Software-Defined Storage)

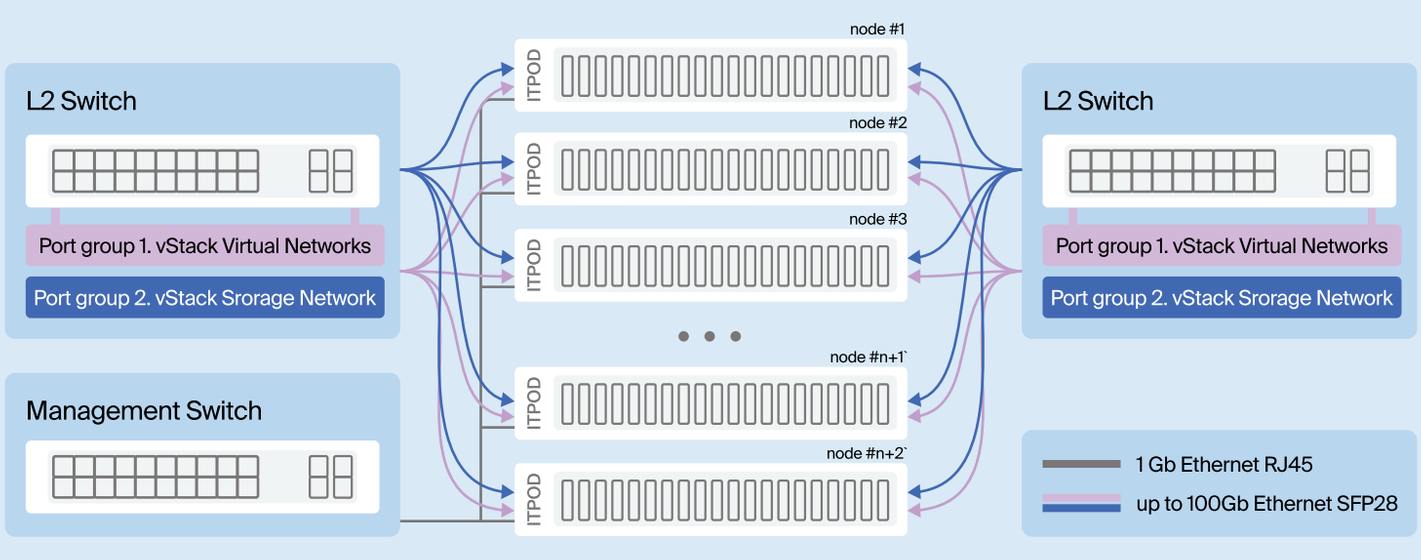
Provides redundancy, inline compression and deduplication

SDN (Software-Defined Network)

Supports various networking technologies (VLAN, VXLAN, GENEVE)

SDC (Software-Defined Computing)

Based on bhyve hypervisor and allows more efficient utilization of physical resources



ITPOD-SL201-D24R-NV-G4



Use Cases

- Enterprise Virtualization
- Kubernetes (k8s)
- High-Performance Computing (HPC)
- DevOps and App development
- Business critical Databases (DB)
- Network Functions Virtualization (NFV)

Form factor
2U

Processor
2 x Intel Xeon Scalable 4th and 5th Gen.
(TDP up to 350W)

RAM
32 slots of DDR5 RDIMM/LRDIMM 5600MHz memory

Storage Subsystem
24 front bays for 2.5" NVMe drives directly connected to MB with hot-swap support.

2 M.2 NVMe slots (2280 only)

Expansion Slots
2 x OCP 3.0 (PCIe 5.0 x8)
Riser 1: full height PCIe 5.0 (1 * x16 and 2 * x8)
Riser 2: full height PCIe 5.0 (1 * x16 and 2 * x8)
Riser 3: half height PCIe 5.0 (2 * x8) or Rear Module (up to 2 x NVMe U.2 SSDs)
Riser 4: half height PCIe 5.0 (2 * x8) or Rear Module (up to 2 x NVMe U.2 drives)

Global HCI Innovation

One Platform, Worlwide
Sell into virtualization, cloud, storage, and HPC markets with a single, versatile product

High-Value, Low-Risk Solution
Offer a product with proven reliability and local NBD support, reducing deployment risks

Strong Competitive Edge
Differentiate yourself with a solution that combines hardware flexibility and superior service

Seamless Migration
Effortlessly transition from leading virtualization platforms like VMware and Microsoft Hyper-V.

For Enterprises & SMBs

Simplified Operations
Replace complex, siloed infrastructure with a single, unified platform

Future-Proof Investment
The choice of CPU and NVMe SSD ensures your infrastructure can adapt to future technology shifts

Scalable & Efficient
The 2U form factor balances density, performance, and thermal efficiency for any environment

ITPOD specialists will help design a custom architecture for your needs, select optimal server configurations, and calculate requirements for energy efficiency and fault tolerance.

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