

Datacenter Series

SMARTER INFRASTRUCTURE SOLUTIONS

X5-6000

2U FLASH HCI AND STORAGE APPLIANCES

X5-2000

2U HYBRID HCI AND STORAGE APPLIANCES

X3-6000

1U FLASH HCI AND STORAGE APPLIANCES

X3-2000

1U HYBRID HCI AND STORAGE APPLIANCES

9x
PERFORMANCE

3x
VM DENSITY

62%
LOWER
LATENCY

Breakthrough intelligence and performance to power your business.

Pivot3's Acuity hyperconverged software platform overcomes the performance, scale and resiliency limitations of conventional hyperconverged infrastructure (HCI). Pivot3's innovative, multi-tier architecture with NVMe flash datapath is orchestrated by an Intelligence Engine that simplifies performance, data protection and security management and puts an end to infrastructure complexity. Now IT can confidently consolidate a broader set of workloads on a single infrastructure platform and deliver guaranteed performance to the applications that power the business.

Increase Application Performance

Pivot3's state-of-the-art, multi-tier storage architecture combines NVMe PCIe flash, SSD, HDD and RAM in each HCI node for faster performance and cost-effective capacity utilization. With the breakthrough performance levels of NVMe flash, the consolidation of latency-sensitive applications on HCI is now a reality. Additionally, Pivot3's distributed scale-out architecture aggregates the capacity, IOPS, bandwidth and cache of each node into highly-available resource pools that deliver maximum storage performance to your applications.

Simplify IT Management

Making performance easy to manage starts with offering five flexible QoS policies that can be assigned to each workload, without having to know exact performance requirements. For recurring business needs (i.e. quarterly reporting and batch processing) policy changes can be easily scheduled to prioritize performance as needed. By automating policy changes, QoS scheduling gives IT the agility to support the business as application priorities and workloads change. In addition to performance QoS policies, data protection QoS policies ensure snapshots are prioritized and automated to align with changing data protection needs.

Exceed User Expectations

High performance storage by itself is not enough – it must be delivered to the most important business applications when it counts. Intelligent prioritization capabilities through Pivot3's advanced QoS policies set minimum levels for IOPS, throughput and response times for each application. Additionally, Service Levels associated with each QoS policy prioritize performance resources accordingly, ensuring mission-critical workloads meet their service levels during periods of resource contention or degraded mode conditions.

Improve Datacenter Efficiency

Pivot3 effectively resolves the tradeoff of capacity utilization for availability inherent in most HCI solutions that rely on replication for data protection. Patented erasure coding provides an optimal combination of efficiency, protection and performance your business needs for uninterrupted operations. Pivot3's distributed scale-out architecture also enables efficient, non-disruptive scalability by pooling all system resources, which expands with each added HCI node to the cluster. This modular approach to linear scalability means you buy only what you need as your business grows.

PIVOT3 HYPERCONVERGED INFRASTRUCTURE

NEXT GENERATION PERFORMANCE

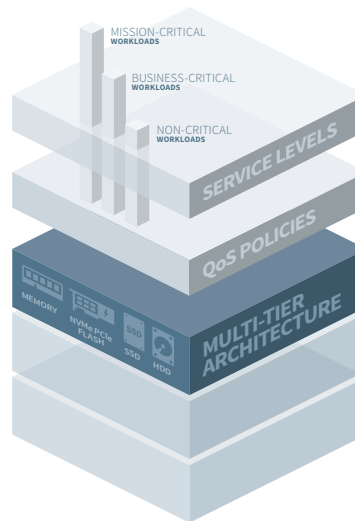
- Multi-tier Architecture
- NVMe Flash Read/ Write Cache and Tiering
- QoS Performance Limits
- QoS Service Levels
- Scale-out Architecture
- Scale Storage & Compute Independently

INTELLIGENT POLICY-BASED MANAGEMENT

- Performance QoS Policies
- Data Protection QoS Policies
- Policy Scheduler
- Performance Metrics
- Security Policies

COMPREHENSIVE DATA SERVICES

- Patented Erasure Coding
- Snapshots and Clones
- Asynchronous Replication
- Replication to the Cloud
- Application Integration
- Data Reduction/ Thin Provisioning
- External Storage and Server Support
- vSphere Integration (VAAI, PSA, vCenter)
- Proactive Monitoring and Analytics
- HTML5 GUI (vSphere, Stand-alone)



- PRIORITY-AWARE AUTOMATIC WORKLOAD PRIORITIZATION
- POLICY-BASED ADVANCED QUALITY OF SERVICE
- PERFORMANCE-ARCHITECTED NVMe PCIe MULTI-TIER ARCHITECTURE
- EFFICIENT AND SCALABLE SHARED STORAGE POOL

PIVOT3 X-SERIES HCI APPLIANCES

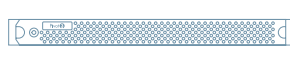
2U Flash



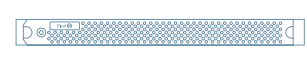
2U Hybrid



1U Flash



1U Hybrid



Model Name

X5-6500 / X5-6000

X5-2500 / X5-2000

X3-6500 / X3-6000

X3-2500 / X3-2000

Max Domain Size

Unlimited

Unlimited

Unlimited

Unlimited

Max Cluster Size

16 Nodes

12 Nodes

8 Nodes

8 Nodes

Processors / Cores

2x 12-Core Intel Xeon 5118 **or**
2x 20-Core Intel Xeon 6138 **or**
2x 12-Core Intel Xeon 4214 **or**
2x 20-Core Intel Xeon 6230

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2x 20-Core Intel Xeon 6138 **or**
2x 12-Core Intel Xeon 4214 **or**
2x 20-Core Intel Xeon 6230

2x 10-Core Intel Xeon 4114 **or**
2x 10-Core Intel Xeon 4210

RAM

256, 384, 768, 1536GB

256, 384, 768, 1536GB

192, 384, 768GB

192, 384, 768GB

NVMe Flash Capacity*

1.9 **or** 2.0TB AIC (X5-6500)

3.8 **or** 4.0TB AIC (X5-2500)

1.6TB **or** 960 U.2 (X3-6500)

1.6TB **or** 960GB U.2 (X3-2500)

Node Capacity in TB

15.3, 30.7, 61.4TB SSD

12, 24, 48, 96, 120, 144TB HDD

7.6, 15.3, 30.7 SSD

8, 16 HDD

Optional GPU

NVIDIA Tesla T4
D2: 3 **or** 5 L2: 1 **or** 3

NVIDIA Tesla T4
L2: 0 **or** 2

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Network Interfaces

X5-6500:
8 x 10GbE (RJ45 **or** SFP+)

X5-2500:
8 x 10GbE (RJ45 **or** SFP+)

X3-6500:
8 x 10GbE (RJ45 **or** SFP+)

X3-2500:
8 x 10GbE (RJ45 **or** SFP+)

X5-6000:
6 x 10GbE (RJ45 **or** SFP+)

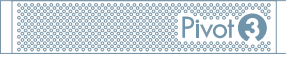



X5-2000:
6 x 10GbE (RJ45 **or** SFP+)

X3-6000:
6 x 10GbE (RJ45 **or** SFP+)

X3-2000:
6 x 10GbE (RJ45 **or** SFP+)

* Two node types exist for each X-Series HCI appliance, and NVMe Flash capacity may differ between them. Please see Pivot3 Technical Specifications Guide for details.

PIVOT3 X-SERIES STORAGE APPLIANCES

2U Flash	2U Hybrid	1U Flash	1U Hybrid
			
Model Name X5-6000s	X5-2000s	X3-6000s	X3-2000s
Max Domain Size Unlimited	Unlimited	Unlimited	Unlimited
Max Cluster Size 16 Nodes	12 Nodes	8 Nodes	8 Nodes
Processors / Cores 1x 6-Core Intel Xeon 3104 or 1x 6-Core Intel Xeon 3204	1x 6-Core Intel Xeon 3104 or 1x 6-Core Intel Xeon 3204	1x 6-Core Intel Xeon 3104 or 1x 6-Core Intel Xeon 3204	1x 6-Core Intel Xeon 3104 or 1x 6-Core Intel Xeon 3204
RAM 32GB	32GB	32GB	32GB
Node Capacity in TB 15.3, 30.7, 61.4TB SSD	12, 24, 48, 96, 120, 144TB HDD	7.6, 15.3, 30.7 SSD	8, 16 HDD
Network Interfaces 4 x 10GbE (RJ45 or SFP+)	4 x 10GbE (RJ45 or SFP+)	4 x 10GbE (RJ45 or SFP+)	4 x 10GbE (RJ45 or SFP+)

* X-Series Storage Appliances are combined with X-Series HCI Appliances to form a Virtual Performance Group (vPG)



For detailed technical specifications, visit Resources.Pivot3.com