

QxStack VMware Edition- vSAN ReadyNode™



Flexible Virtualization Architecture to Fulfill Your Workload Solutions

QCT (Quanta Cloud Technology) is a leading data center solution provider. We have a comprehensive product line with a wide variety of servers, storage, switches, and rack products to meet your needs. **QxStack VMware Edition-vSAN ReadyNode™** is a pre-validated solution integrating QCT hardware and VMware virtualization software to fit your demands with different use cases and scenarios. QxStack VMware Edition- vSAN ReadyNode™ helps you fully utilize not only computing but also storage resources by breaking traditional storage silos. It also promotes simplicity, agility, manageability, and lowers TCO when building clouds.

Features and Benefits

QxStack VMware Edition-vSAN ReadyNode™ provides solutions for Infrastructure as a Service (IaaS), Virtual Desktop Infrastructure (VDI), Remote and Branch Office (ROBO), business critical applications, big data analysis, and so on.

- Integrating ultra-design servers and VMware software, QCT ensures reliability on supporting multiple workloads
- Pre-Validated solution minimize your time to value and effort to set up cloud environments.
- QxStack VMware Edition-vSAN ReadyNode™ offerings
 - Performance Optimized SKU
 - Cost/Capacity Optimized SKU
 - High-Density Optimized SKU
- QxStack VMware Edition-vSAN ReadyNode™ is suitable for your business on:
 - Infrastructure-as-a-Service
 - Virtual Desktop Infrastructure
 - Remote and Branch Office (ROBO)
 - Business Critical Applications
 - Test and Development
 - Management Infrastructure

Reliability

More than 15-years of experience in datacenter system design engineering and manufacturing, QCT is highly recognized as the world's leading data center enabler for delivering exceptional quality and reliability.

Manageability

Solutions provided by QCT can be controlled from a single management interface. Meanwhile, QCT is the single contact window for solving both hardware and software issues. The two features provide management convenience and shorten data center downtime.

Pay as You Grow

QxStack VMware Edition- vSAN ReadyNode™ provides elasticity to grow compute and storage resources by adding new systems to meet various business demand. It is a scalable software-defined data center building blocks providing agility on expanding IaaS services without downtime.

Faster Time to Value

QCT pre-validates and pre-optimizes the solution configuration and provides hardware and software integration to ease your pain in compatibility issues. With this service, IaaS implementation is simplified to get faster time to value in your datacenter.

Latest Technology

Designed with QCT Next Generation Server Platforms with Intel® Xeon® Scalable processor, providing sufficient I/O to ensure no scaling bottlenecks to support fast-growing business demands.




Pre-configured for Quick Deployment

Pre-configured to run to run vSphere® + vSAN™ + vCenter® software stack in a recommended hardware form factor. Optimized or customized hardware and software configurations to meet business requirements.

QCT Optimized Offerings

By integrating ultra-design servers and industry-leading virtualization hyper-converged VMware software, QCT ensures outstanding performance when supporting multiple workloads. QxStack VMware Edition-vSAN ReadyNode™ is a series of hyper-converged IaaS appliances with VMware vSAN ReadyNode™ Certification. It brings the benefits of solving the complexity implementation and management problems in a simply way.

QCT has three pre-validated and optimized offerings to meet your requirements:

Performance Optimized SKU	High-Density Optimized SKU	Cost/Capacity Optimized SKU
<p><i>Business critical application</i></p>  <p>Designed for NVMe future fast SSDs, this SKU delivers an exceptional performance within a 1U chassis, QuantaGrid D52B-1U</p> <p>6M IOPS highest IOPS vSAN can achieving</p> <p>All NVMe provide sufficient performance</p>	<p><i>VDI/datacenter general purpose</i></p>  <p>Equipped with four independent nodes in a 2U server, QuantaPlex T42S-2U, this SKU offers high-availability and exceptional user experience.</p> <p>HY/AF support both Hybrid and All Flash</p> <p>50% Lower energy consumption</p>	<p><i>Streaming, file storage, large capacity demand</i></p>  <p>With 12 hot-swappable 3.5" disk drive and 4 2.5" U.2 drive in a 1U chassis, this SKU provides extreme storage density and low capacity costs.</p> <p>Up to 120TB raw capacity</p> <p>Cost Efficient single license</p>



Intel® Xeon® Scalable Processor

Found at: <http://go.qct.io/contact/contact-qct-solutions>

Specifications



More information:
<http://go.qct.io/solutions/>
Found at: <http://go.qct.io/contact/contact-qct-solutions>

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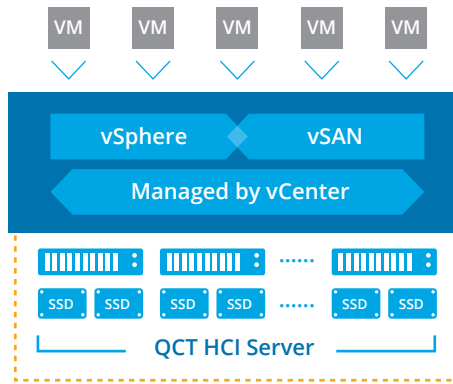
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QCT authorized partner

QxStack VMware Edition - vSAN ReadyNode™ Architecture



About QCT

Quanta Cloud Technology (QCT) is a global data center solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation data center design and operation challenges. QCT serves cloud service providers, telecoms, and enterprises running public, hybrid and private clouds.

Product lines include hyperconverged and software-defined data center solutions as well as servers, storage, switches and integrated racks with a diverse ecosystem of hardware components and software partners. QCT designs, manufactures, integrates and services cutting-edge offerings via its own global network. The parent of QCT is Quanta Computer, Inc., a Fortune Global 500 corporation.

	Production, Lab, VDI, ROBO		
Model name	QuantaGrid D52B	QuantaGrid D52BQ	QuantaPlex T42S
Form Factor	1U	2U	2U4N
Processor	(2) Intel® Xeon® Scalable Processors Family		
Memory	(24) slots		(64) slots
Driver Bays	(12) 2.5" hot-plug NVMe Support	(12) 3.5" hot-plug NVMe Support (24) 2.5" hot-plug NVMe Support	(24) 2.5" hot-plug
vSAN Profile	AF - 4,6,8 HY - 2,4,6,8	AF - 4,6,8 HY - 4,6,8	AF - 4,6 HY - 4,6
Software License	VMware vSphere®, VMware vSAN™, VMware vCenter®, VMware vRealize® Operations Manager™ (Optional)		
Warranty	3 years hardware warranty and 1 year VMware SNS support		

For more SKUs, please visit [VMware Compatibility Guide](#)
 For more detail, please visit [vSAN Hardware Quick Reference Guide](#)

	High-Capacity Demand	Mission Critical Production Environment
Model name	QuantaGrid D52T	QuantaGrid D52B
Form Factor	1U	1U
Processor	(2) Intel® Xeon® Scalable Processors Family	(2) Intel® Xeon® Scalable Processor Gold Series
Memory	Up to 384GB	384GB
Driver Bays	(4) 2.5" hot-plug SSD (12) 3.5" hot-plug HDD	(12) 2.5" hot-plug
Cache Tier	3.84TB to 7.68TB	750GB (NVMe)
Capacity Tier- Hybrid	Up to 120TB	N/A
Capacity Tier- All Flash	N/A	8TB (NVMe)
Software License	VMware vSphere®, VMware vSAN™, VMware vCenter®, VMware vRealize® Operations Manager™ (Optional)	
Warranty	3 years hardware warranty and 1 year VMware SNS support	

For more SKUs, please visit [VMware Compatibility Guide](#)

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