SUPERMICRO

Supermicro is a global leader in high performance, green computing server technology and innovation. We provide our global customers with application-optimized servers and workstations customized with blade, storage, and GPU solutions. Our products offer proven reliability, superior design, and one of the industry's broadest arrays of product configurations, to fit all computational needs.

RED HAT®

Red Hat is the world's leading provider of open source enterprise IT solutions. We're here to help you address change with open principles so that you can navigate today's need for transformation, and prepare for the future. With engineers connected to open source communities, the freedom of our subscription model, and a broad portfolio of products that's constantly expanding, Red Hat is here to help you face your business challenges head-on.

OPEN AWARD WINNING PLATFORMS:

BIGTWIN MULTI-NODE HYBRID SYSTEM

- Hot-Pluggable 1/2 RU Dual-Socket Nodes in a 2U System
- Double the density for compute and memory performance
- 10% Power Savings vs Four 1U Servers, Based on STH Study1
- Support for NVMe drives and All-flash SSDs with HW RAID

ULTRA ALL-FLASH NVME SYSTEMS

- 10 NVMe drives in 1U, 24 NVMe drives in 2U
- Offers unrivaled performance, flexibility and serviceability
- Ideal for Enterprise applications and workloads

RAPIDLY DEPLOY HYBRID CLOUD INFRASTRUCTURE

The Supermicro Solution for Red Hat® OpenShift® Container Platform

Simplify hybrid cloud

Supermicro and Red Hat have partnered to develop a best-in-class solution based on industry-leading SuperServers, and Red Hat OpenShift Container Platform. With this innovative solution, organizations can deploy and manage containers in private or hybrid cloud environments, combining automation with performance and efficiency to:

- **Deploy hybrid cloud faster** and reduce time to market with Supermicro servers that are tested, certified and optimized to run Red Hat OpenShift Container Platform. Designed for scale-out environments, this solution can easily scale to petabytes of storage and thousands of cores.
- **Lower the risk of new technology** with proven reference configurations integrated by joint engineering teams that let you start with the right configuration, scaling gracefully as your needs grow.
- **Simplify procurement and support** with a complete integrated hardware and software stack that delivers cloud-native development and workload support— all available from Supermicro.

Supermicro Solution for Red Hat OpenShift Container Platform

The Supermicro Solution for Red Hat OpenShift Container Platform combines the advanced features of SuperServers with Red Hat's enterprise-grade Kubernetes platform. Red Hat OpenShift Container Platform offers a consistent hybrid cloud foundation for building and scaling containerized applications. It provides a powerful container cluster management and orchestration system, natively integrating Docker and Kubernetes technologies for demanding enterprise applications. Whether creating a solution for a single department or a hyper-converged infrastructure, the Supermicro Solution for Red Had OpenShift Container Platform is consistent and easy to install. It also integrates seamlessly with Red Hat OpenShift Container Storage to provide container-native file, block, and object storage that can move with applications and microservices from on-premises environments to the cloud and back.

SYS-1029U-TN10RT

SYS-2029BT-HNR (Rear)

SYS-2029U-TN24R4T

Supermicro solutions for Red Hat OpenShift Container Platform performance categories

	Entry	Performance	Performance Plus
SKU Name	SRS-OPNSHFT-01	SRS-OPNSHFT-02	SRS-OPNSHFT-03
Master Node	3x nodes (Ultra 1U)	3x nodes (2U 4-Node BigTwin)	3x nodes (Ultra 2U)
Infra Node	3x nodes (Co-located)	3x nodes (2U 4-Node BigTwin)	3x nodes (Ultra 2U)
App Node	3x nodes (Ultra 1U)	6x nodes (2U 4-Node BigTwin)	8x nodes (Ultra 2U)
Compute Cores	48	144	256
OCS Cores	48	144	256
Total Memory	576 GB	2304 GB	6144 GB
Total Storage	22.8 TB	91.2 TB	364.8 TB
Networking	1x 1G + 2x 25G	1x 1G + 4x 25G	2x 1G + 2x 100G
Mgmt. Switch	1x SSE-G3648BR	1x SSE-G3648BR	2x SSE-G3648BR
Data Switch	1x SSE-C3632SR	2x SSE-C3632SR	2x SSE-C3632SR
Software	Red Hat OpenShift 4 + Red Hat OpenShift Container Storage 4		
	SYS-1029U-OPNSHFT	SYS-2029BT-OPNSHFT	SYS-2029U-OPNSHFT
CPU	16 cores	24 cores	32 cores
Memory	192 GB	384 GB	768 GB
Storage (NVMe)	7.6 TB	15.2 TB	45.6 TB

Contact your Supermicro sales representative or your local authorized reseller for more information on these base configurations or for a custom configuration quote.

Working together, Supermicro and Red Hat offer proven, validated solutions and reference architectures across multiple Red Hat software platforms, including Red Hat OpenShift Container Platform and Red Hat OpenShift Container Storage. Supermicro has also completed a machine learning benchmark on Red Hat OpenShift Container Platform, demonstrating Supermicro systems' performance for complex deep learning neural networks. With extensive testing and proven integrations, organizations can focus on their applications, knowing that careful engineering and testing has removed much of the time and risk required to deploy modern hybrid cloud infrastructure.

For more information, contact your Supermicro sales representative

14_OpenShift-RedHat_2021-02_R01.9

* Please check with your Supermicro sales representative and website for compatibility and configuration details. Actual product may vary in appearance due to product configuration.