



Supermicro Rack Plug and Play Cloud Infrastructure

Optimized Building Block Infrastructure

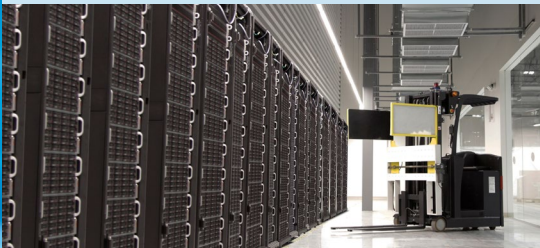
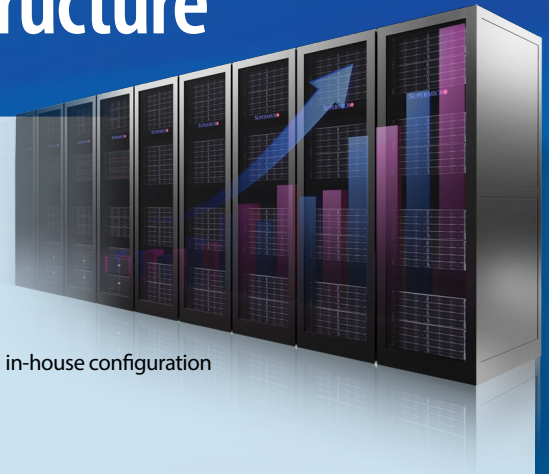
A Total Rack Solution for Enterprise Kubernetes Containers, based on RedHat® OpenShift® delivering the turn-key simplicity of a cloud with an on-prem infrastructure can operate at one-third to one-half the cost.

Cloud Optimized

Software Manages Scaling – Pre-defined Solution eliminates need to design and build custom in-house configuration

Simplicity of Acquisition – On-the-Rack solution deployed in days, not weeks or months

Control Your Costs – Flexible Business Models CAPEX or OPEX



On-Prem Cloud Delivers Superior TCO

- Support for hundreds of containers with up to 70% better TCO than using a publically hosted cloud
- Entry Three Node Cluster Config available at approximately \$3,000 a month
- The more you use, the more you save – no hidden or misunderstood usage fees

Supermicro Helps Build Some of the Largest Clouds in the World

Enterprise Clouds, AI Clouds, Engineering Design Clouds, Storage Clouds, 5G/Edge Clouds, eCommerce Clouds, Security Clouds, ...

Supermicro Builds Optimized Clouds from Optimized Systems

From a broad portfolio of application optimized systems that deliver superior cost, performance and efficiency for specific cloud type: Enterprise Systems, Storage Systems, GPU Systems, Edge Systems

Supermicro Builds State-of-Art Clouds @ Scale

Leveraging our Silicon Valley based in-house design, development and manufacturing to deliver first-to-market innovation and our rapidly expanding Taiwan facilities for scale

Supermicro is Focused on Total Cloud Solutions

Supermicro is continuously innovating to simplify the Design, Deployment and Operation of Cloud with increased integration of Compute, Storage, Networking, Software, Racking and Cabling and Developer, Operational and Management Tools

Supermicro Builds Green Clouds with Resource Saving Architecture

Supermicro designs our systems to reduce environmental impact: Liquid Cooling, Disaggregated, Multi-node Twin

Optimizing Cloud Performance, Cost and Convenience

- Range of Turn-Key Total Solutions for On-Prem Cloud Infrastructure
- Compute, Storage, Networking, Software, Racking, and Cabling are all included
- Developer, Operational and Management Tools for Complete Cloud Solution

Convenience of Cloud – Infrastructure and Access

Rack Plug and Play Cloud

Reduce Time and Complexity of Design, Deployment and Operation of On-Prem Cloud

www.supermicro.com/RackPNP

JumpStart

Free Remote Access Pre-deployment Development and Test of Rack Plug and Play Configuration

www.supermicro.com/JumpStart





Supermicro Rack Plug and Play Cloud Infrastructure

End-to-End Solution Integration

Rack Integration Services Works with you to design and build full racks that are tested and validated before arriving at your facility

System Validation

- BIOS Setting Firmware Updates
- System Level Burn-in

Cluster Validation

- Fully Automated Cluster Level Burn-in and Configuration Check
- IP Setting Networking Configuration
- L12 testing per user requirements

Solution Validation

- OS Installation and Configuration
- Application /Middleware Installation, Configuration
- Solution Functionality Performance Benchmark



JumpStart Compact Cluster Configuration

Server SKU	SYS-220BT-HNTR
Number of Nodes	4 nodes in a 2U Rackmount Enclosure
CPU per Node	Up to 80 Cores, Dual 3rd Gen Intel® Xeon® Scalable processors (actual CPUs: 6x 6336Y & 2x 8352Y)
Memory per Node	Up to 4TB (Actual RAM: 2TB on two nodes, 1TB on other two nodes)
Raw Storage Capacity per Node	Up to 184TB (Actual data capacity: 400GB P5800X cache and 7.68TB Gen4 for data per node)
Redundant Boot Devices per Node	2x 1TB M.2 NVMe Drives per node with HW RAID controller
NICs per Node	AIOM Dual-port 10GbE, LP Dual-port 100GbE, LP Dual-port 25GbE

Top of Rack Switches

Data Management Switch	Supermicro 100G Ethernet Switch
Cluster Management Switch	Supermicro 1/10G Ethernet Switch

Included Software Subscriptions

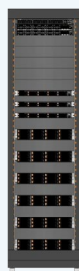
OS	RedHat® Enterprise Linux CoreOS
Container-Orchestration Software	RedHat® OpenShift Container Platform
Software-Defined Storage Software	RedHat® OpenShift Container Storage
Infrastructure Gateway	Supermicro SuperCloud Composer

Additional Software Subscriptions

Guest Operating System	RedHat® Enterprise Linux
Automation Platform	RedHat® Ansible Automation Platform

Scalable Solution

Multiple Rack Plug and Play Cloud Configurations for Optimal Performance and Scale



Performance



High Density



Extreme



Edge



Learn more at:
www.supermicro.com