EVO: RAIL Solution

The Hyper-converged Infrastructure Appliance

Introducing Supermicro EVO: RAIL

Supermicro's EVO: RAIL™ combines compute, networking, and storage resources into a hyper-converged infrastructure appliance to create a simple, easy to deploy, all-in-one solution offered by Supermicro.

Simplicity Transformed

EVO: RAIL enables power-on to VM creation in minutes, radically easy VM deployment, one-click non-disruptive patch and upgrades, simplified management…you get the idea.

Software-Defined Building Block

EVO: RAIL is a scalable Software-Defined Data Center (SDDC) building block that delivers compute, networking, storage, and management to empower private/hybrid-cloud, end-user computing, test/dev, and branch office environments.

Trusted Foundation

Building on the proven technology of VMware vSphere®, vCenter Server™, and VMware Virtual SAN™, EVO: RAIL delivers the first hyper-converged infrastructure appliance 100% powered by VMware software.

Highly Resilient by Design

Resilient appliance design starting with four independent hosts and a distributed Virtual SAN datastore ensures zero application downtime during planned maintenance or during disk, network, or host failures.

Infrastructure at the Speed of Innovation

Meet accelerating business demands by simplifying infrastructure design with predictable sizing and scaling, by streamlining purchase and deployment with a single appliance SKU, and by reducing CapEx and OpEx.

Supermicro 2U TwinPro Architecture

Supermicro 2U TwinPro architecture supporting maximized CPU, memory, SSD, NVMe and 10GbE NIC ports offers the industry's highest density, exactly optimized solution for VMware's hyper-converged infrastructure appliance. With Supermicro's Green Computing technologies, customers will benefit not only from the system specification and performance, but also from advanced thermal design and energy efficient technologies such as our Titanium level high-efficiency (96%) power supply, increasing their overall performance per watt, per dollar, per square foot.

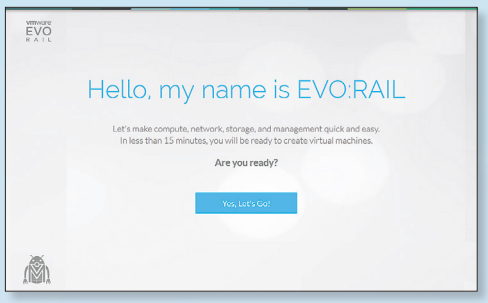
Supermicro's EVO: RAIL Appliance Key Benefits

Customers can reduce operating costs with efficiency and ease: Time-To-Value (TTV) to first VM in minutes, zero-downtime updates of all VMware software, automatic scale-out, global settings, and VM lifecycle management.

EVO: RAIL is ordered via a single SKU and backed by a single point of contact for hardware and software support.

EVO: RAIL SOLUTION BENEFIT HIGHLIGHTS

- Simplicity Transformed
- Software-Defined Building Block
- Trusted VMware Hypervisor Technology
- Highly Resilient by Design
- Infrastructure at the Speed of Innovation



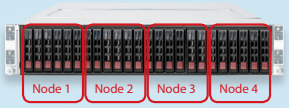
Supermicro EVO: RAIL Solutions

EVO: RAIL Solutions / 2U TwinPro²™

Supermicro's EVO: RAIL appliance is a complete Hyper-converged Infrastructure Appliance. It combines compute, networking and storage resources into a single 2U, 4-node form factor to create a simple, easy-to-deploy building block for the Software-Defined Data Center (SDDC).

- Starts with four independent hosts and a distributed datastore, implemented on the 2U TwinPro² SuperServer, scalable to 32 nodes.
- Fault tolerance, reliability and automatic scale-out are key features implemented though VMware software technologies and Supermicro hardware designs.
- EVO: RAIL Deployment, Configuration, and Management enables power-on to VM creation in minutes, easy VM deployment and non-disruptive upgrade.
- Embraces latest compute, storage and networking technologies, with leading VMware certified components for peace-of-mind implementation.

Purchase EVO: RAIL via a pre-configured SKU below or build your own with configure to order options for CPU, memory, and storage.



	SYS-2028TP-VRL Series	SYS-2028TP-VRLX Series
Server Model	SYS-2028TP-VRL001 / SYS-2028TP-VRL002 / SYS-2028TP-VRL011 / SYS-2028TP-VRL012	SYS-2028TP-VRLX31 / SYS-2028TP-VRLX32 / SYS-2028TP-VRLX11 / SYS-2028TP-VRLX12
Form Factor	2U/4 Node Server w/ Redundant Hot-Swap Power Supplies	
VM Density	Up to 100 Virtual Machines*	Up to 200 Virtual Machines*
CPU (Per Node)	2x Intel E5-2630v3 (8 cores per CPU)	2x Intel E5-2670v3 (12 cores per CPU)
Memory (Per Node)	192GB (12x 16GB DDR4)	512GB (16x 32GB DDR4)
Storage (Per Node)	1x 400GB SSD for cache, 3x 1.2TB HDD for 3.6TB capacity	1x 800GB SSD for cache, 5x 1.2TB HDD for 6TB capacity
Networking (Per Node)	**VRL001/VRL011**: 2x 10GbE RJ45 **VRL002/VRL012:** 2x 10GbE SFP+	**VRLX31/VRLX11:** 2x 10GbE RJ45 **VRLX32/VRLX12**: 2x 10GbE SFP+
Software	EVO: RAIL Deployment, Configuration, and Management vSphere Enterprise Plus, Virtual SAN, vCenter Server, vCenter Log Insight	
Services	**VRL001/VRL002/VRLX31/VRLX32:** 3yr VMware SW support & subscription with 4hr on-site HW parts & labor **VRL011/VRL012/VRLX11/VRLX12:** 1yr VMware SW support & subscription with 4hr on-site HW parts & labor	

* Server VM profile: 2 vCPU, 4GB memory, 50GB vDisk

Optional EVO: RAIL Components

SSE-X3348S(R)

SSE-X3348T(R)

	MODEL / PART NUMBER	DESCRIPTION
Network Switch	SSE-X3348S(R) SFP+ SSE-X3348T(R) RJ45 SSE-X24SR	10GbE for inter-node switch fabric GbE for IPMI network
Network Cables	CBL-0347L (1m) CBL-0348L (3m) CBL-0349L (5m)	10GbE SFP+ to SFP+ cables

Please visit Supermicro EVO RAIL Solutions website for more information,
http://www.supermicro.com/solutions/EVO_RAIL.cfm

MKT-0005-07/2015/Rev. 13