SYMKLoud Series of Converged Infrastructure Platforms

- Up to 5,760 cores per 42U
- Up to 2 x hot-swappable fully managed L3 100Gbe switches

High Density Lower Costs Always "Open"

SYMKLoud MS2920 Converged Infrastructure Platform

- Converged Infrastructure - Compute, Storage, Dual 600Gbe Ingress Switch Fabric, in one 2U, short-depth enclosure
- Ideal OpenStack Appliance Controller - Fully Redundant
- Cloud-Ready Open Platforms with ISV Partners
- Modular Design with High Availability - Long Life Features

Possibilities Start Here
SYMKLoud commercial-off-the-shelf x86 (COTS) platforms for carrier clouds, content delivery networks, hosting and cloud (XaaS) provider infrastructure. Massively scale VNF, edge data center, and video/OTT/broadcast workloads.

CONVERGED INFRASTRUCTURE FOR FAST & EFFICIENT SERVICE ROLL-OUTS

HARDWARE DESIGNED FOR A SOFTWARE DEFINED WORLD

- ‘Mix and Match’ Intel-Based Modular Servers (9 per 2U);
  (visit symkloud.com for more Modular Server models)
- LATEST MODULAR SERVER: 2 independent Intel® Xeon® D-1500 Series processors
  > 4C (2.2 Ghz); 8C (2.0 Ghz); 12C (1.5 Ghz); 16C (1.3 Ghz)
- 4x DDR4 DIMM sockets; total 128GB using 32GB VLP RDIMMs per server
- 1x M.2 with up to 256Gb SSD per server
- Flexible configurations to run multiple concurrent applications
- Improved performance with physical Data- and Control Plane separation
- Web-based System Manager for health monitoring and 1-click updates
- Ideal for Bare Metal, or, Hypervisor implementations
- Seamless OpenStack integration cloud provisioning
- Support for hardware accelerated SDN (OpenFlow)

MAXIMIZE RACK SPACE
SCALE CLUSTERS/RACKS EFFICIENTLY
SAVE ENERGY COSTS ON IT/INFRASTRUCTURE
SIMPLIFY PLATFORM MANAGEMENT

TECHNICAL INFORMATION

Hardware Platform
- Ruggedized Modular Platform design
- 2RU height, 21 inches deep, up to 9 hot-swappable modular servers;
- Single/redundant hot-swappable 600G switches & Shelf manager;
- Single/redundant management ports, hot swap redundant fans;
- Front to back cooling; Intelligent Power Management

Switching Infrastructure
- Up to 2x MSH8920 hot-swappable, fully managed L3 100GbE switches
- 640Gb/s non-blocking internal switching capacity;
- Front: 3x 100GbE QSFP (support for optical or passive CR4 modules/cables), 8x 10GbE Uplinks SFP (optical module only), 2 management 10/100/1000 Base-T RJ45 ports

Shelf Management
- Monitor Server and system-level health status with simplified web-based “System Monitor” dashboard, integrated BMC (iBMC) with advanced options; Support for SNMP and IPMI 2.0

Software
- OS, Hypervisors and Middleware support per server: various options available as part of integration services

Support
- Product life cycle support (5-7 years)

Compliance/Regulatory
- Designed to meet the following environmental, safety and EMC requirements: EN 300 019; Telcordia GR-63; Telcordia SR-3580 level 3; Telcordia GR-1089; EN 300 386; EN/CSA 60950-1; FCC PART 15

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