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
SYMCLoud 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.

**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 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 suport (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 PA RT 15

**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)

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

**SYMKLoud**

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