OPENSTACK PLATFORMS
MS2900 Series Converged Infrastructure Platforms

65% SAVINGS on power consumption
70% OPEX reduction
90% REDUCED rack footprint

OPENSTACK PLATFORMS
KEEPING ‘OPEN SOURCE’ OPEN
OPENSTACK PLATFORM FOR RAPID CARRIER CLOUD, NFV/SDN AND PRIVATE CLOUD DEPLOYMENTS

HIGH DENSITY TURNKEY 2U OPENSTACK PLATFORM FULLY SUPPORTED BY CANONICAL AND KONTRON

OPERATIONAL IN HOURS, NOT DAYS; UPGRADEABLE WITH EACH 6-MONTH OR 2-YEAR LTS OPENSTACK RELEASE

ADD TO EXISTING COMPUTE RESOURCES OR BUY COMPLEMENTARY SYMKLOUD RACK-LEVEL SWITCHING, COMPUTE AND STORAGE PRODUCTS

SMALLEST OpenStack footprint

DPDK enabled with 6WIND Charm

TRANSPARENT no vendor lock-in

NFVi – SDN ready with VNF partner portfolio
SYMKLoud OpenStack Platforms — Build and control your cloud

SYMKLoud OpenStack Platform is an open services platform to host NFV workloads (VNFs) without vendor lock-in. By leveraging an ecosystem of ISV partners, Kontron provides its customers a truly open source solution to support a broad spectrum of third-party VNFs. This high-density turnkey OpenStack solution scales across data centers and can leverage existing compute infrastructure.

Scale up the resources you need, when you need them, avoiding unnecessary CAPEX investments. The SYMKLoud Platform, based on Canonical Ubuntu OpenStack, with optional 6WIND DPDK Virtual Accelerator, offers superior network performance on a high-density core count platform.

Everything you need with SYMKLoud OpenStack Platform

**TELECOM / MOBILE**
The most common solution in helping service providers roll out new services using Network Functions Virtualization (NFV) and Software Defined Networking (SDN) technologies.

**CLOUD PROVIDERS / ENTERPRISE**
Simplified automation for private/public cloud deployment in hours, not days. Ability to deploy on bare metal or VMs across multiple clouds.

**CDN / OTT / BROADCAST**
Providing cable, CSPs and digital Pay-TV operators more efficient ways to deliver media content using GPU and FPGA architectures via bare metal or containers.

**ALWAYS THE RIGHT MIX: 50% HARDWARE. 50% SOFTWARE. 100% SYMKLoud OPENSTACK**

**Hardware Specs**
- M529xx Converged Infrastructure Platform
- Dual modular 1GbE/10GbE/20GbE switches
- Nine (9) x MSP804x Modular Server sleds; each features:
  - Single Socket Intel® Xeon® D-1500 Series
  - 12C (1.5 GHz) used for OpenStack platform; 16C (1.3 GHz)
  - Other options include: 4C (2.2 GHz); 8C (2.0 GHz); 16C (1.3 GHz)
  - 4x DDR4 DIMMs; total 128GB using 32GB VLP RDIMMs
  - Dual SATA HDD or SATA/U.2 SSD; up to 4TB of storage
  - Traffic Shaping via 10G switches (240GbE total capacity)
  - Improved performance with physical Data- and Control Plane Separation
  - External storage (SAN) support via FCoE and iSCSI
  - Web-based System Manager for health monitoring and
  - Support for hardware accelerated SDN (OpenFlow)

**Software Specs**
- Canonical OpenStack - Newton
- Canonical MAAS
  - Zero-touch deployment of Windows, Ubuntu, CentOS, RHEL and SUSE
- Canonical Juju
  - Model, configure, and manage hundreds of pre-configured services.
- Ubuntu Server LTS 16.04
- 6WIND Virtual Accelerator Juju Charm - Data Plane Development Kit (DPDK)
- Support for KVM, VMware, Microsoft Hyper-V

**CORPORATE OFFICES**

**KONTRON CANADA**
4555 Ambroise-Lafortune
Boisbriand, QC
Canada J7H 0A4
Tel.: +1 450 437-5682
TEL.: +1-800-387 4223

**EUROPE, MIDDLE EAST & AFRICA**
Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: +49 821 4086-0
Fax: +49 821 4086-111
info@kontron.com

**NORTH AMERICA**
14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

**ASIA PACIFIC**
1-2F, 10 Building, No. 8 Liangshuihe 2nd Street,
Economical & Technological Development Zone,
Beijing, 100176, P.R. China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn