SYMKLOUD MS2900 WEB

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FULLY INTEGRATED CLOUD COMPUTING PLATFORM FOR DEPLOYING WEB-BASED INFRASTRUCTURE APPLICATIONS

▶ designed from the ground up to integrate switching, load balancing and processing in a 3-in-1 modular approach
▶ power efficiency for significant OPEX savings
▶ simplified 1-click updates
▶ seamless cluster and rack scalability
▶ designed for cloud service providers and next-generation data centers

POSSIBILITIES START HERE **kontron**

DESIGNED FOR THE INTERNET OF THINGS (IOT), WEB 3.0 AND NEXT-GEN DATA CENTER REQUIREMENTS

Cloud computing really is different and often means new hardware, new infrastructure, new software, and sometimes even new business models.

That is why Kontron has made significant strides to develop a new series of cloud computing platforms that goes above and beyond today's commodity and cloud server products. In speaking with clients, Kontron sought to design a new concept that responds to the various issues of a severely fragmented cloud server market, changing data center (cooling) requirements, and infrastructure costs that are spiralling out of control.

The SYMKLOUD Series is a step in the right direction. The Kontron MS2900 is designed from ground up to improve how service providers deploy any web-based hosted services in four key areas:

- Multifaceted approach towards achieving the best **Power Efficiency**;
- Integrated Switching and Load Balancing for more elegant and seamless **Cluster and Rack Scalability**;
- **Simplified Management** that slashes system-level update times;
- **Integration Servicing** of all required hardware and software to match requirements of client's infrastructure applications

Ideal for NEPs (network equipment providers), TEMs (teleom equipment manufacturers), and any hosted service provider, the Kontron SYMKLOUD series can be used to support any Web-based applications, namely – web, email, search, social networking, among others. It is even built to handle semantic web applications (Web 3.0) to help deliver content between user-to-user, M2M (machine-to-machine), machine-to-user and userto-machine. Additional areas include content aware load balancing and Mobile cloud applications to offload processing for mobile devices.

▶ **42U RACK CONFIGURATIONS**

CLUSTERS	Supports 8 platforms per cluster or 2.5 clusters per 42U
PROCESSOR	Up to 186 multicore CPUs per 42U
LOAD BALANCING	Employs one or two subsystems (redundant) per cluster
UP TO L7 SWITCHING	2x to 4x Fewer Fiber / Copper Cables

▶ **TECHNICAL INFORMATION**

HARDWARE PLATFORM	Ruggedized Modular Platform design: 2U height, 21 inches deep; Up to 9 hot-swappable subsystems; Up to 2 hot-swappable load balancing between subsystems; Single or redundant hot-swappable switches; Single or redundant management ports; HDD and SSD 2.5"storage options; up to 13.5 TB and more with future options Hot swap, redundant fans; Front to back cooling; Dual redundant 1100W AC or DC Hot Swap Power Supplies; 80 PLUS® silver or better efficiency
PROCESSOR	Up to 9x Intel® Xeon® E3-1265 Lv2 Quad-Core, with a total of 256 GByte of Dual-Channel DDR3 memory
MANAGEMENT	1-Click Web GUI platform management; Integrated BMC (iBMC) with advanced options; Support for SNMP and IPMI 2.0; dedicated system manager; and remote management for diagnostics and provisioning
SWITCHING INFRASTRUCTURE	2 hot swap switches: Active-Active or Active-Standbye; High uplink capacity 4x 10 GbE SFP+ (front or rear) and 8x 1 GbE ports RJ-45
SOFTWARE	Load Balancing: Improves application responsiveness by distributing application workloads evenly across servers; Supports SSL Offload, Compression and HTTP Multiplexing, thus reducing latency, accelerating page loads and lowering bandwidth cost; Supports virtualization management and for high availability environments; VLB Basic and Advanced; OS, Hypervisors and Middleware Support: 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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▶ **CORPORATE OFFICES**

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