

UP TO
5670
VIDEO
STREAMS
(AVC - HEVC 1080p30)
per 42U¹ RACK



**x86 GPU DRIVEN
PERFORMANCE**
FREES UP CPU FOR MORE TASKS



▶ SYMKLOUD SERIES
CDN: VIDEO, OTT,
BROADCAST & CLOUD
SOLUTIONS

HW-ACCELERATED HEVC
FOR UP TO
378 HEVC 4K60p
REAL-TIME CHANNELS PER 42U¹ RACK



NFV - SDN READY
INFRASTRUCTURE



MAKE EVERY STREAM COUNT

SYMKLOUD CONVERGED INFRASTRUCTURE PLATFORMS

- ▶ CONVERGED INFRASTRUCTURE - COMPUTE, STORAGE, DUAL 10GbE SWITCH FABRIC - IN ONE 2U, SHORT-DEPTH ENCLOSURE
- ▶ CLOUD-READY OPEN PLATFORMS WITH INFRASTRUCTURE AND VIDEO TRANSCODING ISV PARTNERS
- ▶ MODULAR DESIGN WITH HIGH AVAILABILITY - LONG LIFE SUPPORT

POSSIBILITIES START HERE



¹ ASSUME 2U TOP OF RACK SWITCH

CONVERGED INFRASTRUCTURE FOR FAST & EFFICIENT VIDEO SERVICE ROLL-OUTS

LARGE - ULTRA HIGH DENSITY DEPLOYMENTS



MS-29XX CONVERGED INFRASTRUCTURE PLATFORMS

- ▶ **MSP8050 Modular Server: [Up to 9 per 2U SYMKLOUD]**
 - > Dual Intel® Xeon® E3-1578L v5 processors per Modular Server
 - > Up to 32GB DDR4 ECC VLP SDRAM per CPU
 - > One M.2 SSD at up to 960GB per CPU
 - > I/O: 2x Gbps Ethernet (Control plane); 4x 10 Gigabit Ethernet Fabric Interface (Data Plane)
 - > Server Management IPMI 2.0
- ▶ **Modular Server Portfolio**
 - > Please visit www.symkcloud.com for more models.
- ▶ **SYMKLOUD Converged Infrastructure Platform (MS2910)**
 - > **Compute:** 'Mix and Match' x86 and ARM modular servers; up to 9 modular servers
 - > **Networking:** Dual 10Gbe Switches (hot-swappable):
 - Front Access: Data: 2x 40GE +8x 10GE; Control: 2x 1GE
 - Rear Access: Data: 2x 40GE
 - To each node: Data: 2x 1GE; Control: 2x 10GE
 - > **PicOS-based NOS switch** fully enabled for SDN (OpenFlow)
 - > **Hot Swap Power:** Dual redundant up to 1500W AC, or, 1100W AC/DC
 - > **Operating Temperature:** 55 C° (Designed to meet NEBS)
 - > **Support:** Managed Life Support (5-7 years)
 - > **Web-based System Manager:** health monitoring / 1-click updates

ULTRA HIGH DENSITY - HIGH AVAILABILITY VIDEO AND OTT WORKLOADS FOR CLOUD AND NFV / SDN INFRASTRUCTURE DEPLOYMENTS

- ▶ High video workload density per Watt for greater rack-level performance and total cost of performance (TCO)
- ▶ Integrated Intel® Iris™ Pro graphics P580 (50% more EUs) and Integrated Intel® Quick Sync Video featuring new hardware-enhanced, real-time HEVC transcoding
- ▶ Intel Media Studio SDK enables ease of development
- ▶ Run complex analytics on unassigned CPUs
- ▶ Ecosystem community of ISV video transcoding partners
- ▶ Flexible configurations to run multiple concurrent applications
- ▶ Improved performance by physical Data- and Control Plane separation
- ▶ Ideal for Bare Metal, or, Hypervisor implementations
- ▶ Seamless OpenStack integration for cloud orchestration

MEDIUM-SIZED DEPLOYMENTS



MS-13XX CONVERGED INFRASTRUCTURE PLATFORMS

- ▶ 1U-24" Depth Platform
- ▶ Mix and Match 3 modular front-access compute nodes [MSP804x; MSP8050] + single modular switch/shelf management options
- ▶ Redundant 800W PSUs and 2 hot-swap fans

SMALL-SIZED DEPLOYMENTS



AP-1430 NETWORK APPLIANCE

- ▶ Intel® Core™ or Intel® Xeon® processor E3-1200
- ▶ DDR4 2133MHz DIMMs up to 64GB
- ▶ 3x NIP expansion interfaces supporting: 1G/10G/40G/fiber/copper/bypass (Depends on configuration)
- ▶ 1x Standard low profile Add on card
- ▶ Optional IPMI support
- ▶ Dual BIOS support
- ▶ Dual console ports supporting RJ45 and mini USB
- ▶ Redundant 800W PSUs and 2 hot-swap fans

SYMLAB

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A SECURED REMOTE ACCESS EVALUATION LAB

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