Sigma Transcoder Platform Highlights

Efficient Power
2 hot-swappable modules 80+ Platinum-grade power supplies featuring 92% efficiency

Hot-swappable Processing Nodes
4 independent processing nodes with IP interfaces Pluggable and cable-free carrier trays

High Performance
Latest generation Intel Xeon Skylake processors Designed to support advanced video processing

Key Feature

- **High Performance**
- **Latest Nvidia Turing architecture**
- **Dual IP input/output management interfaces**
- **Redundant hot-swappable power supplies.**
- **System-level monitoring for overall system, processing node and power supply health status**
- **Support latest Sigma Transcoder, Sigma Packager version**

Processor & Memory

Processor	**Latest generation Intel Xeon Skylake processors** **Latest Nvidia GPU Turing generator** **Designed to support advanced video processing**
Memory	**24 DDR4 DIMM slots, Supports RDIMM /LRDIMM, speeds up to 2933MT/s, 3TB max** **Up to 12 NVDIMM, 192 GB Max** **Up to 12 Intel® Optane™ DC persistent memory DCPMM, 6.14TB max, (7.68TB max with DPCMM + LRDIMM)** **Supports registered ECC DDR4 DIMMs only**

Network: Management, Input/Output

IP Input/ Output	**4 x Gigabit Ethernet ports**
Control interface	**Dual 10 Gigabit Base-T Ethernet ports for Management**

Software Compatibility

Supported OS	**Canonical® Ubuntu® LTS** **Citrix® Hypervisor** **Microsoft Windows Server® LTSC with Hyper-V Oracle® Linux** **Red Hat® Enterprise Linux** **SUSE® Linux Enterprise Server** **VMware® ESXi**
Software Com-partial	**Sigma Transcoder V1.1.0 or above** **Sigma Packager V1.1.0 or above**

Physical and Power

Dimensions	**Height: 42.8mm (1.69")** **Width*: 482.0mm (18.98")** **Depth*: 808.5mm (31.8")** **Weight: 21.9kg (48.3 lbs.)** ***Dimensions include bezel.**
Power supplies	**495W Platinum** **750W Platinum** **1600W Platinum** **750W Titanium** **1100W Platinum** **Hot plug power supplies with full redundancy option Up to 8 hot plugs fans with full redundancy** **@220V is required for certain configurations.**
Environmental specifications	**Storage: -40ºC to 65ºC (-40°F to 149°F)** **Continuous operation (for altitude less than 950 m or 3117 ft) :** *10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment.* **Maximum temperature gradient (operating and storage):** *20°C/h (68°F/h)* **Relative Operating Humidity:** *10% to 80% relative humidity with 29°C (84.2°F) maximum dew point.* **Maximum Operating Vibration:** *0.26 G$_{rms}$ at 5 Hz to 350 Hz (all three axes).*
Rack Model	**Dell Precision 7920 Rack**

Management

Embedded	**iDRAC9,** **iDRAC Direct** **iDRAC RESTful API with Redfish,** **Quick Sync 2 wireless module optional**
OpenManageTM Software	**OpenManage Enterprise** **OpenManage Mobile** **OpenManage Power Center**