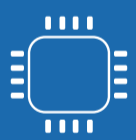


SAQR

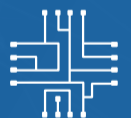
Saqr is a virtual host based on VMware that allows up to 8 Tesla or 4 Quadro GPUs in one 4U housing. With up to 4 clients with vDGA configuration in one 4U housing you can get up to 16 DVI/DP signals out of this box, saving 12U rack space. The customised driver front end gives you access to all Quadro Workstation related features like Mosaic, Frame-Sync and Swap-Sync.

In the vGPU world you decide how much GPU power your clients need. Utilising nVidia Grid technology you can get up to 16 GRID Virtual Workstations or 32 GRID Virtual PCs on one TESLA card. In demanding environments like broadcast, post-production or 2D-/3D-design vGPU utilisation often limits the possibilities due to the 30fps maximum transmission rate of PCoIP/VMware Blast. We have overcome this problem. Utilising Mechdyne's TGX middleware our vGPU solution runs at 60fps on the client! Using vGPU your Windows-based application even becomes available on mobile/handheld devices.



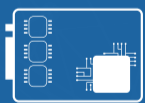
Processor Cores / Cache

Intel Xeon Processor E5-2687WV4, 12-Core,
3.0 Ghz Base. Max 3.5Ghz, 30MB
SmartCache 2P (24 Cores/48 Threads)



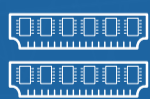
Motherboard

High End Server Board with Expansion, Intel C602 PCH



Expansion Board

10x PCI-E 2.0/3.0 slots: eight (8) x16, two (2) x8 (all in x16 slot)
1x PCI-E 2.0 x4 in x16 slot (from PCH)



Memory

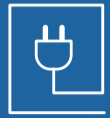
128GB (DDR4-2400 RAM, 16GB, ECC Registered)

Integrated memory controller supports up to 1.5 TB of
LRDIMM, 768 GB of RDIMM, or 128 GB of UDIMM
ECC/Non-ECC DDR3 800/1066/1333/1600/1866 MHz
240-pin 4-channel memory modules in 24 DIMM slots



Storage

8 Port Internal SAS3 12Gbit/s RAID PCIe 3.0 (up to 16 drives)
OS: 2x 240GB SSD SATA III (6GBPS), RAID 0
Data: 5x 960GB SSD SATA III (6GBPS), RAID 0

**PSU**

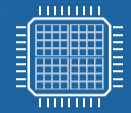
4x 1600W Redundant Platinum Power Supply 80 Plus

**Housing**

4U Rackmount

**Network**

10G Fiber Network Card, Dual Port

**Graphics**

NVIDIA Quadro M6000

Example Configuration 1:

High End Playout (4x vDGA)

4x Quadro with Quadro Sync Server

4x USB 3.0 PCIe Cards for direct VM controls

Optional:

Deltacast Input, Output, Key/Fill Card

RME USB 2/3 Audio Devices

Example Configuration 2:

High End Playout & Design (3x vDGA & 1x vGPU)

3x Quadro with Quadro Sync Server

1x Tesla vGPU

3x USB 3.0 PCIe Cards for direct VM controls

Optional:

Deltacast Input, Output, Key/Fill Card

RME USB 2/3 Audio Devices

Possible Configurations

nVidia GRID 3.0 with 1 TESLA M60:

2x8GB Profile => 2 Virtual Workstations

4x4GB Profile => 4 Virtual Workstations

8x2GB => 8 Virtual Workstations

16x1GB => 16 Virtual Workstations

32x 512MB => 32 Virtual PCs

**Optional****nVidia**

nVidia Tesla V100 GPU

nVidia Tesla P100 GPU

nVidia Tesla M60 GPU

nVidia Quadro M6000 with Sync Board

**Deltacast**

HD-/3G-SDI, HDMI, DP Input Cards

HD-/3G-SDI Output Cards

Key/Fill Cards

**RME Audio Cards/ Devices****Starting Price**

AED 77,950 | USD 21,300 (without options)