

# KPS.MAX

## Windows terminal server with graphics card

### System requirements

KPS.MAX provides support for the operation of virtual Windows terminal servers with one or more dedicated graphics cards in the server. The native 2D and 3D graphics capabilities of the card can be used in the virtualised environment with NVIDIA GPUs.

No problems were observed using the special configuration mentioned below. Generally, more recent hardware and software versions lead to better results.

#### Payable additional services (recommended)

If a Windows terminal server environment is planned then the system requirements should be determined in advance in a workshop. SHD Technologie und Service GmbH can conduct such a workshop. Please request a quotation.

### Sample configuration (36 users)

<b>Server</b>	Lenovo Server ThinkSystem SR650 V2
<b>Processor</b>	2 x Xeon Gold 6326 (16C 2.9 GHz 24 MB)
<b>Memory</b>	256 GB
<b>Hard drive</b>	SSD
<b>Graphics card</b>	3 x NVIDIA A40 48 GB
<b>Software</b>	VMware vSphere Enterprise Plus Windows terminal server 2019 NVIDIA GRID vApps
<b>Network connection</b>	minimum 1 Gbit/s recommended 10 Gbit/s

#### VMware Enterprise Plus with NVIDIA GRID vGPU

Enables native 2D and 3D graphics capabilities for the virtual machines

#### Number of KPS users

With an NVIDIA A40 48 GB graphics card, approx. 12 KPS users are possible with an average consumption of 4 GB GPU-wMemory per user.

## Clients

All clients that support the current Remote Desktop Protocol (Windows Server 2019) are supported.

Clients must also have sufficient connections for multiple monitors and support the operation of multiple monitors with the appropriate screen resolution. The Client no longer requires a dedicated graphics card, as the rendering takes place on the terminal server.