

Remote Workstation Solutions

In an ever changing world, industry professionals are becoming more dynamic. Project teams are greatly dispersed, security risks are on the rise, datasets are constantly growing, and heavy NVIDIA® professional GPU accelerated software applications are fast becoming the norm—demanding more and more compute power at the desk.

In contrast, companies need the ease and flexibility of working remotely. By harnessing the power of NVIDIA professional GPUs and TGX Remote Workstation Software, Lenovo Remote Workstations deliver the highest performing, lowest latency, and most scalable remote workstation experience, allowing companies access to their powerful workstation investments anytime, anywhere.



Lenovo

Delivering an uncompromised remote 1:1 Workstation Experience



Resolution

Supports large multi-monitor, ultra high resolution, with local-like experience.



Ultra Responsive

Minimizes additional latency for as local-like desktop experience ~10ms.



Keep Data & IP Secure

Reduces risk and delivers greater security and performance.



Full Lossless Color Mode

Instant full color (4:4:4) and fidelity at the touch of a button, and all at a fraction of the bandwidth of other remote protocols.



Collaborators

Shared keyboard and mouse with separate encoding streams delivers maximum performance.



Bandwidth Utilization

Uses less network bandwidth, providing 2x faster frame rates than other solutions.

SENDER



ThinkStation

TGX

Remote Workstation Software

Optional Connection Broker



Internet

RECEIVER



ThinkStation ThinkPad

Remote Workstation Solutions

Lenovo



TGX Remote Workstation Software

Sender



NVIDIA professional GPU Optimized

Leverage NVIDIA optimizations for capturing pixels, encoding, and decoding.



NVIDIA Dedicated Processing

TGX does not compete with graphical software apps running on the workstation. NVIDIA GPUs have their own built-in h.264 encoder/decoder, removing any additional CPU or GPU workloads.



Supports Physical & Virtual Workstations

NVIDIA vGPU software enables the GPU to be virtualized across multiple virtual machines (if needed).



Multiple OS Platform Supported

Lenovo and TGX Remote Workstation software support both Microsoft and Linux operating systems.



No Special Hardware Required

Customers already use NVIDIA professional GPUs as part of their ISV software application workflow.

ThinkStation P520 & P920

- » Intel® Xeon® W or SP Processor(s)
- » Min. 16GB of Memory
- » NVIDIA P1000 GPU (or Greater)
- » SSD Storage Drive
- » Microsoft Windows or Linux OS



ThinkStation P360 Tiny

- » Intel Core i5/i7 Processor
- » Min. 8GB of Memory
- » NVIDIA T600 GPU
- » SSD Storage Drive
- » Microsoft Windows or Linux OS



ThinkPad P1

- » Intel Core i7 Processor
- » Min. 8GB of Memory
- » NVIDIA RTX™ A1000 GPU
- » SSD Storage Drive
- » Microsoft Windows 10 Pro



Receiver



Hardware Decoding

TGX Remote Workstation uses hardware decoding and can leverage the power of NVIDIA professional GPUs.



Best User Experience

Ultimate user experience for large multi-monitor/desktop configurations and project workflows.



USB Device Support

Continue to use Wacom tablets, 3DConnexion devices, and more, with direct USB pass-through.



Multiple OS Platform Support

Support for Windows or Linux client operating systems.