ThinkStation   ThinkPad

NVIDIA

Lenovo™

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® Quadro® 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 Quadro 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.

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.

Software Agnostic
Works with ALL ISV applications, in ANY industry vertical, for ANY project.

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

RECEIVER

ThinkStation

TGX
Remote Workstation Software

Optional Connection Broker

Internet

ThinkStation   ThinkPad

NVIDIA QUADRO RTX™

Accelerated by NVIDIA GPUs

REMOTE WORKSTATION SOLUTIONS

Lenovo · **NVIDIA** · **Mechdyne** ENABLING DISCOVERY · **TGX** Remote Workstation Software

SENDER

NVIDIA Quadro 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 Quadro GPUs as part of their ISV software application workflow.

ThinkStation. P520 & P920

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

ThinkStation. P920 Rack

» Intel Xeon SP Processor(s)
» Min. 16GB of Memory
» NVIDIA Quadro P1000 GPU (or Greater)
» SSD Storage Drive
» Hot Swap & Redundant Power, Cooling & Storage
» Full Remote Management
» Microsoft Windows or Linux OS

RECEIVER

ThinkStation. P330 Tiny

» Intel Core i5/i7 Processor
» Min. 8GB of Memory
» NVIDIA Quadro P620 GPU
» SSD Storage Drive
» Microsoft Windows or Linux OS

ThinkPad. P1

» Intel Core i7 Processor
» Min. 8GB of Memory
» NVIDIA Quadro T1000 GPU
» SSD Storage Drive
» Microsoft Windows 10 Pro

Hardware Decoding
TGX Remote Workstation uses hardware decoding and can leverage the power of NVIDIA Quadro GPUs.

Best User Experience
Ultimate user experience for large multi-monitor/ desktop configurations and project workflows.
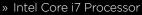
USB Device Support
Continue to use Wacom tablets, 3DConnexion devices, and more, with direct USB pass-through.

Multiple OS Platform Support
Support for Windows or Linux client operating systems.

Perfect for demanding workflows: Media & Entertainment | Energy/Oil & Gas | AEC | Product Design & Manufacturing