

Lenovo Remote Workstations

Helping higher education to improve student experiences

Higher education has been forced into a new way of working. Educators are tasked with realigning curriculums to suit remote and online learning, while students are having to adapt to lectures outside the lecture hall.

Early signs suggest that this is not a temporary arrangement. With some form of blended learning likely to continue, it's up to universities to ensure they can offer the same level of education to students, wherever they may be.

Workflows before Workstations



Maintaining a consistently high standard of learning outside university walls is far from easy, particularly in hands-on trades or in fields such as medicine and engineering.

Teaching such disciplines in a remote environment requires more than a textbook and an online quiz. It needs computing power capable of mimicking real-world scenarios and enterprise-grade technology not found on most personal computers.

Students rely on universities' powerful workstations to access processor-heavy programs for mathematical modelling, augmented reality, CAD applications and more.

Operating these programs remotely not only presents security issues but can also negatively impact performance and productivity. This is due to:

- **Poor image and video resolutions**
- **Fewer means to collaborate with students and educators**
- **Limited access to secure files because of security constraints**
- **Poor bandwidth and slow download speeds**
- **Limited processing power**
- **Low compression rates**



Connect students to workstations from anywhere

Lenovo Workstations connect students to a high-performance, responsive and flexible environment, equipped to run powerful applications. Students can connect to workstations remotely without the need for complex software – from any device with an internet connection.

With access to technology that works, students can focus on learning without the added pressure of lagging, crashing, and other IT failures.

Here are five benefits of enabling your students to access their machines anywhere:

1 Maximum productivity: Lenovo has partnered with Mechdyne to give students the ability to capture and stream remote desktops with TGX visualisation technology.

By compressing and sending information as pixels rather than data, this software offers like-local responsiveness, eliminating any potential productivity issues, and allows users to send 4K videos using just 40Mb/s of network bandwidth. No other software on the market can do this.

2 Increased performance: Powerful, high-end resources like applications and processing power can be shared with minimal latency and smooth, desktop-like experiences.

3 Multi-user collaboration: Up to four users can share a workstation remotely at the same time, ensuring teams can contribute to workflows simultaneously and collaborate effectively.

4 Dependable security: User data and sensitive information is kept secure onsite, reducing the risk of data breaches.

5 Software agnostic: Workstations can be accessed from any device using TGX remote visualisation software, which is compatible with a number of operating systems including Windows, Linux and Mac.

Remote Workstations in action

Here are three examples of how incorporating Lenovo Remote Workstations can help to ensure seamless collaboration, maximise productivity and improve student experiences:



University of Birmingham uses Lenovo's Think Portfolio to allow lecturers and students to **collaborate securely** and easily.

The technology has proven to be exceptionally adaptable within complex laboratory environments.



UCL finds their use of Lenovo's Think range reliable, accessible and high performing.

This enables their students to prepare for their future careers – particularly in engineering – as the technology provides them with access to the same software and tools used in the industry.



Keele University thrives with Lenovo technology, using AR and VR to teach students medical sciences in a virtual and realistic environment.

The **security and portability** of the devices mean that students can meet their learning requirements when needed.

Lenovo: your Remote Workstation partner



Lenovo Workstations are designed to deliver the **highest levels of performance**, ease of use and industry-leading reliability to students, wherever they are



We build over 100m devices every year, with the **lowest failure rates** compared to other market leaders



Choose from a **huge range of devices**, licences and subscription options



Our workstations offer **market-leading operation** rates and support for the highest resolution



Up to four users can collaborate remotely on Lenovo Workstations at the same time



Lenovo is the **world's #1 commercial PC manufacturer**, with operations in over 160 markets, serving over 1bn customers globally

Get in touch

At Lenovo, our team can show you how Lenovo Remote Workstations, powered by Intel® Core™ and Intel® Xeon® processors and coupled with NVIDIA®'s ISV-certified Quadro® graphics cards, can support remote learning by maintaining collaboration, improving performance and maximising efficiency.

To get the conversation going, email <ADDRESS>.