

# Hosei University

## Dense, Powerful PC Blades Solve Spacing Issues For Hosei's Tokyo Campus



HOSEI



Japan's Hosei University builds on a rich history that began more than 100 years ago. A leading force in the information technology world, Hosei fulfills its motto of "Liberty and Progress" every day at its three campuses and capus facilities in urban and suburban Tokyo.

### OVERVIEW

#### ► The Challenge

Deploy a computing solution that offers the high performance needed for CAD-CAM instruction while saving space at a small urban campus

#### ► The Solution

Install dense ClearCube PC Blades in a centralized data center and provide each user's desk with a small, cable-connected ClearCube User Port

#### ► The Benefit

A powerful solution that offers reduced space requirements, hardened security, and remote management capabilities

### The Challenge

Hosei University recently established a new Department of Arts & Technology at its Ichigaya, Tokyo campus. Located in the center of the city, the Ichigaya campus is limited in space and cannot house a bulky box PC at every desk. This presented a challenge in the Art & Technology classrooms, which require powerful, high-resolution PCs for hands-on instruction in computer design, 3D modeling, image data processing and many other system design programs.

### The Solution

Professor Iwatsuki of Hosei's Department of Art & Technology began to research computing solutions that would save the campus space and minimize maintenance while providing high performance. After learning about ClearCube PC Blades through IT solutions provider Infocom, he participated in several demonstrations of the innovative technology.

The ClearCube solution removes the PC from the user's desk, condenses it in a Intel®-based PC Blade form-factor, and rack-mounts it in a centralized data center.

Each PC Blade contains all standard PC components, including Intel® P4™ processors, DDR memory, SATA hard drives and nVidia graphics cards.

All that remains at the user's desk are the peripherals (monitor, keyboard, mouse) and a small connective User Port that supports fiber, cable or Ethernet connectivity. Using the ClearCube Management Suite (CMS), a powerful suite of software management tools, IT administrators can remotely manage the deployment from anywhere in the world.

### The Benefit

The small desktop space requirements of the ClearCube solution was a perfect fit for the Ichigaya campus. IT staff can now upgrade software, perform maintenance tasks or – in the event of a failure – instantly reallocate a user to a spare PC Blade without disrupting the classrooms.

By centralizing the PC Blades in a limited-access data center, the ClearCube solution significantly hardens data and hardware security. Removing the hardware from the user's desk also reduces accidental equipment damage, a common problem in high-traffic areas like classrooms. Students further benefit from the elimination of box PC-related clutter, noise and heat.

The ClearCube solution provides Hosei University with the computing power needed to run its system design classes while making efficient use of limited workspace.

"Because ClearCube PC Blades have the same performance as regular PCs, we are able to use high-resolution software, such as 3D CAD," says Professor Iwatsuki. "The ClearCube solution saves us space and allows us to give our students the instruction they need."