

Case Study

Beihang University of Beijing, China Gives Top Honors to Minicom's Remote Management Solution

About Beihang University

Since its founding over 50 years ago, Beihang University (BUAA) has evolved into an open, multi-disciplined, research-oriented university of engineering science and technology, with an emphasis on aeronautical engineering. The university is made up of 17 schools and 6 departments with over 26,000 students, covering such diverse fields as science, technology, liberal arts, law, economy, management, philosophy, foreign languages and education.

The Challenge

The library department of Beihang University had more than 40 servers which used analog KVM switches. As the demand for constant uptime increased, there was a need for more availability and stability for the library department's IT infrastructure. Director Li, head of the Technical Department of the Library in Beihang University, wanted a remote solution to shorten response time for troubleshooting and a way to operate servers even when there wasn't anyone on site. At the same time, Li wanted to preserve the library department's existing KVM devices rather than spend money on completely new solutions.

The Minicom Solution

Minicom was able to satisfy all of Beihang University's requirements by providing a web-based access management system, adding IP functionality to their analog KVM switches, and enabling multi-level access rights for their servers.

Minicom offered the **DX matrix system** as a solution, which includes the DX 432 Central Unit, **DXU IP II** Remote User Unit, and **XRICC PS2**. With XRICC PS2, Beihang University's analog KVM switches are cascaded into the DX System, and all the servers are seamlessly accessed directly from the DX AIM interface. Additionally, the DXU IP II provides remote access to servers with a standard Web browser through a secure IP connection.

This glowing report from Li highlights the benefits of Minicom's solution for Beihang University:

"Before, most of our troubleshooting had to be done in the server room itself. After installing Minicom's DX system, we were able to diagnose and fix problems from the server room, the control room, or from a desktop, depending on the severity and priority of the problem. Because we are not limited by physical location and can work remotely, this system really helps us reduce our response time. Minicom's solution maximized our existing KVM infrastructure and investment, adding remote functionality to what we already had. Last but not least, I have found that having the flexibility of access right assignment and its logging function to be incredibly efficient. I can divide the workload and assign tasks to different people according to their ability and responsibility, and I can monitor all of the tasks easily."



Quick Take

Challenges

- Find remote management solution
- Provide analog KVM switches with IP capability
- Add multi-user level access

Solution

- DX 432 Central Unit
- DXU IP II Remote User Unit
- XRICC PS2

Benefits

- Ability to access system from any place at any time
- Preserved existing KVM switches
- Shortened resolution time
- Increased productivity and efficiency

