

# CASE STUDY NANJING UNIVERSITY

»THE NEW CAMPUS CARD SYSTEM WILL BECOME AN IMPORTANT MILESTONE IN THE INFORMATION TECHNOLOGY CONSTRUCTION OF THE UNIVERSITY«

**Nanjing University**



## THE CUSTOMER

Under the direct supervision of the Ministry of Education the Nanjing University is one of China's key comprehensive universities. Now more than 100 years old it is listed in the first group of 100 key universities the government plans to develop for the 21 century. To date it has 23 colleges, 65 departments along with 27,600 full-time students.

## THE CHALLENGE

As the scale of the university grew the various campus-management systems had becoming ever more complex. The challenge was how to use the IT systems to better serve students and faculty, while enhancing the university's service and management levels.

It was recognized that a "campus card system" was a logical next step in digital campus development, as well as being an important symbol of a modern university with advanced management. This led to the launch of the Nanjing University comprehensive "campus card system" project, as the basic foundation for their digital campus.

The card system would provide the primarily function of standardized school identity authentication. It would also have the ability to track and manage a wide range of consumption and other information. This is in turn would be linked to the school budget and funding settlement management. Users then only have to hold one campus card which would replace several former cards. These included student ID cards, teacher cards, library cards, meal cards, etc. Each user would also be able to search for different information using their card and in doing so achieve the stated goal of "one handy card, all campus round."

From an IT perspective each sub-system would provide unified identity authentication as well as share the same IT resources, and thereby create standardized information flows and processes between different units and departments. The whole system would also provide the supporting data for school management decision making, and greatly improve management efficiency and service levels.

However any major stop of the IT system could have the potential to place the whole campus in chaos. It was very important therefore to find the right level of reliable platform products to support the overall system.

## THE CUSTOMER

Country: The People's Republic of China  
 Industry: Education  
 Founded: 1902  
 Students: 28,000  
 Website: [www.nju.edu.cn](http://www.nju.edu.cn)



## THE CHALLENGE

Nanjing University's "campus card system" would become an important symbol of a modern university with advanced management. However, any major stop of the IT system could have the potential to place the whole campus in chaos. It was very important for the customer to find the right level of reliable platform products to support the overall system.

## THE SOLUTION

Fujitsu proposed SPARC Enterprise T Series for network access management, and SPARC Enterprise M series for the database applications, which would require high performance and reliability. For back-end data management, Fujitsu proposed ETERNUS storage systems. Fujitsu proposed a comprehensive range of server products and storage systems in cooperation with a very strong software systems integrator.

**THE BENEFIT**

- Modernization of University IT infrastructure and advanced management capability.
- Fujitsu mission critical product reliability and service availability.
- Management efficiency and service levels improved by standardized information flows.

**THE SOLUTION**

In order to meet all the needs of the different applications associated by the campus card system, Fujitsu proposed a comprehensive range of server products and storage systems in cooperation with a very strong software systems integrator. The uniqueness of the software also had the effect removing other hardware competitors.

For network access management, Fujitsu proposed Fujitsu SPARC Enterprise T Series servers with their very high I/O throughput performance.

For the database applications, which would require high performance and reliability, Fujitsu specifically proposed Fujitsu SPARC Enterprise M series servers with their high performance, high scalability, and mission critical reliability.

For back-end data management, Fujitsu proposed Fujitsu ETERNUS storage systems, modeled on the very high reliability profiles of Fujitsu mainframe systems. Fujitsu ETERNUS would provide excellent performance and scalability while at the same time ensure 99.999 percent data reliability. This meant that even if a failure occurred, it would still secure the safety and reliability of all important data.

**THE BENEFIT**

Fujitsu was recognized as a comprehensive IT solutions provider with cutting-edge research and development strengths, with a global customer base and long term accumulated experience. Its product reliability for stable operation and its ability to provide a total platform product solution and all necessary service was not in doubt.

In addition Fujitsu had recently provided sophisticated construction solutions and outstanding product platforms to a large number of well-known colleges and universities in China including Peking University, East China Normal University, and Tongji University, for their Digital Campus construction.

The University came to believe, from domestic and overseas customer references, that its students could enjoy the convenience of using only one card to access different school IT services without error, based on Fujitsu products and solutions. Plus such advanced information technology would allow even more efficient management of system complexity and better decision making.

**PRODUCTS AND SERVICES**

- Fujitsu SPARC Enterprise M/T series servers
- Fujitsu ETERNUS4000 storage systems
- Fujitsu PRIMECLUSTER

Following repeated investigation, comparison and analysis, Nanjing University eventually chose the Fujitsu solution to meet their “Campus Card” system project needs. Fujitsu’s proposal included tailor-made fully redundant and high-reliable solutions, involving front-end network access management systems, application management systems, database applications systems, and a back-end data management system. All hardware platform products would also be provided with full support from Fujitsu.

Based on this highly reliable Fujitsu solution and service, Nanjing University is very confident in their upcoming “Campus Card” system. Nanjing University said, “The new “Campus Card” system will be officially launched after the Chinese New Year, and become an important milestone in the information technology construction of the university, making it one of the universities with the most advanced IT technology.”

**CONCLUSION**

The success of this project once again proved that Fujitsu leads in product technology and has accumulated deep knowledge and relationships in the education industry. Based on this ability to win customer trust and its growing list of sales successes, Fujitsu will enhance its promotion of products and services to more customers in the China education industry.

**CONTACT**

FUJITSU LIMITED  
Website: [www.fujitsu.com](http://www.fujitsu.com)  
2009-02-26 WW-EN

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