

CommScope's SYSTIMAX® Intelligent Network Infrastructure Management Adds to Security at Bank of China Data Center

iPatch® System will also cut network management costs and reduce downtime



Bank of China (BOC) is one of the largest shareholding commercial banks in China with 11,000 domestic branches as well as 600 overseas offices in 27 countries and regions worldwide.

At present, BOC is investing US\$10M to build an advanced data center in Shanghai. Located in Shanghai's Zhangjiang Bank Card Industrial Park, the center's 5 buildings have a construction area of 50,000 m² built on a 100,000 m² site.

To ensure high reliability and efficient management of the center's physical infrastructure, BOC required real-time monitoring and intelligent control of its connectivity. For these key tasks, it chose the advanced SYSTIMAX iPatch® System.

The iPatch System offers lower network management costs and reduces risk of financial loss due to the network communication faults. By locating problems as soon as they occur and guiding technicians in both routine work and troubleshooting, the iPatch System dramatically increases physical network management efficiency gains.

“ Data security is critical in financial data centers and managing the physical layer infrastructure is the foundation for maintaining this security. The iPatch System offers key benefits in this area including lower mean-time-to-recovery, accurate connectivity documentation, remote administration, fast device discovery and one-button tracing. ”

Charles Wong, Regional Director,
SYSTIMAX® Solutions, CommScope Greater China

The iPatch System offers data center managers interactive, real-time control over both copper and fiber connections. It automates the discovery of network devices and their physical locations, providing a full end-to-end view of the physical and network layers.

The iPatch System also determines what and who is connected to the network and, by knowing which services are being provided by what devices, it can determine the proper routing for new connections. The data center manager simply indicates which service to provide to a port, and the iPatch System creates an electronic work order with all of the required changes.

This is especially valuable for data center applications since adding a new server may require half a dozen or more connections. When a work order is issued, the iPatch System tracks its routing and can alert the data center manager if a job is not completed on schedule.

Other key criteria in the Bank's choice of intelligent patching panels included ease of installation, scalability and facilities to aid rapid disaster recovery. Together with the industry-leading SYSTIMAX 20-year guarantee and application assurances this gave the iPatch System a lead over the competitive products that BOC evaluated. The win was sealed by excellent references from existing iPatch users including China News Agency and China National Offshore Oil Corporation.

To complement its iPatch patching hardware, BOC selected the SYSTIMAX GigaSPEED® XL Solution. Connected via the iPatch patching hardware, this cabling supports a wide range of voice and data applications at the bank including Storage Area Networks (SANs).

GigaSPEED XL cabling comfortably exceeds specifications of the Category 6/Class E cabling standard. It can support gigabit transmission from end-to-end over a 100 m four connector channel even under adverse conditions such as the presence of electromagnetic noise. This gives the data center cabling infrastructure the performance and reliability demanded by its high value data traffic.

The cabling was installed at the center by SYSTIMAX BusinessPartner, Shanghai East-China Computer Co. Ltd. In total, the company's technicians connected more than 7,000 outlets via Low Smoke Zero Halogen (LSZH) and standard GigaSPEED XL cable. 130 iPatch panels were installed in the center's communications rooms

“Data security is critical in financial data centers and managing the physical layer infrastructure is the foundation for maintaining this security,” said Charles Wong, Regional Director, SYSTIMAX® Solutions, CommScope Greater China. “The iPatch System offers key benefits in this area including lower mean-time-to-recovery, accurate connectivity documentation, remote administration, fast device discovery and one-button tracing. These all help to protect data by avoiding technical failures and intrusions that lead to damage or theft of information. We are delighted that another major Chinese corporation has chosen a SYSTIMAX network infrastructure solution for this vital task.”

© 2007 CommScope, Inc.
All rights reserved.

Visit our Web site at

www.commscope.com

or contact your local CommScope representative or BusinessPartner for more information.

All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope.

This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to SYSTIMAX Solutions products or services.