

## China's News Agency Upgrades its Communications Infrastructure with SYSTIMAX® Cabling and Real Time Infrastructure Management Patching Solutions

**Xinhua Agency raises network performance and reduces management costs using SYSTIMAX GigaSPEED® XL, TeraSPEED™ and iPatch® Solutions**



Xinhua News Agency, China's state and worldwide news organization, is upgrading its Beijing headquarters to support rapid growth in its national and global operations. At the heart of this project is a faster, more reliable LAN cabling infrastructure that is easier and less expensive to manage.

Xinhua has more than 150 subsidiaries across China and worldwide. It also owns Xinhuanet.com, a global multi-media news network available in seven languages. All these operations are linked with communications and computing facilities in the Agency's HQ building. To handle rising volumes of traffic in the building's network, while also improving reliability and ease of management, Xinhua turned to SYSTIMAX® Solutions.

Having evaluated the price and performance of alternatives, the agency decided on SYSTIMAX GigaSPEED XL copper and TeraSPEED fiber cabling. To manage its new connectivity infrastructure, it chose the iPatch real-time infrastructure management system. This lets network administrators monitor and manage network connectivity from their desks, automatically raising work orders when changes are needed.

“ High speed communications are a foundation of our news businesses, so we need proven, high quality solutions that are easy to configure. Because our headquarters network is large and sophisticated, we chose the advanced iPatch System to help us manage its connectivity cost effectively. ”

Mr Lu Wei, Vice Director, Xinhua News Agency

Commenting on the choice of connectivity, Mr. Lu Wei, Vice Director, Xinhua News Agency, said: “High speed communications are a foundation of our news businesses, so we need proven, high quality solutions that are easy to configure. Because our headquarters network is large and sophisticated, we chose the advanced iPatch System to help us manage its connectivity cost effectively.”

Xinhua News Agency’s HQ has 80,000 square meters of work space on 25 floors. These are served by 20 computer rooms and each floor has a communications room connected via SYSTIMAX 10 Gb/s TeraSPEED backbone cabling.

TeraSPEED cable uses singlemode fiber designed to future-proof enterprise backbones for next generation equipment. It increases the useable wavelength range over conventional singlemode fiber by more than 50 percent, allowing up to 16 channels of CWDM (Coarse Wave Division Multiplexing), the lowest-cost option to pack more channels on a single fiber. It can support up to 400 channels of DWDM (Dense Wave Division Multiplexing).

In the communications rooms, iPatch intelligent patch panels are equipped with connection sensors and light emitting diodes that show where cords should be connected. The panels are linked to a Rack Manager that incorporates a screen that displays instructions to technicians making moves, adds and changes.

Links between the Rack Manager and the iPatch System Manager software on desktop PCs lets administrators see when re-patching work is started. The system can also send administrators a confirmation that work has been successfully completed and alert them if unauthorized changes are made.

Other labor saving features of the iPatch System include automatic diagnostics, detection of connected devices and one-button tracing of connections. The System also maintains up-to-the-minute connectivity maps and can automatically specify the connections needed to provide new services.

The iPatch and cabling installations were planned, managed and completed by SYSTIMAX Prestige BusinessPartner, Tsing Hua Tong Fang Network Company. Beijing-based Tsing Hua is removing old Category 5 cabling and installing 15,000 new Category 6 outlets throughout the building.

GigaSPEED XL cabling, which comfortably exceeds Category 6/Class E specifications, connects the new outlets to the iPatch panels. Cables, routed above ceilings with dropdowns to desk-mounted outlets, are configured in a star topology with two-level redundancy.

The new infrastructure will support voice, data and video services, including the rich multimedia feeds to Xinhuanet.com websites. Using high performance SYSTIMAX cabling solutions assures the Agency that it can also adopt new computing and communications technology in the future without concerns about connectivity.

As its operations rapidly expand, the iPatch System will allow the Agency to manage maintenance and changes to its cabling infrastructure efficiently. Using the remote monitoring facility of the iPatch System, it will also have the potential to monitor and manage infrastructure at branch offices as easily as the connectivity in its HQ.

“To sustain rapid, profitable growth, an organization needs the best possible foundation for its communications,” said Charles Wong, Managing Director of Greater China of SYSTIMAX Solutions™, Asia Pacific Region. “This is especially true in the fast-moving world of news and media where a few seconds delay may mean that competitors are able to publish news first. By using SYSTIMAX Structured Connectivity Solutions, Xinhua can stay ahead of rivals. It is also fully ready to handle new developments in news distribution such as TV broadcasting to mobile phones and multimedia news on demand.”

© 2007 CommScope, Inc.  
All rights reserved.

Visit our Web site at [www.systimax.com](http://www.systimax.com) or contact your local SYSTIMAX Solutions representative or SYSTIMAX BusinessPartner for more information. SYSTIMAX Solutions is a trademark of CommScope. 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.