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China Unicom Cables Shenzhen Offices with SYSTIMAX® Structured Connectivity Solutions

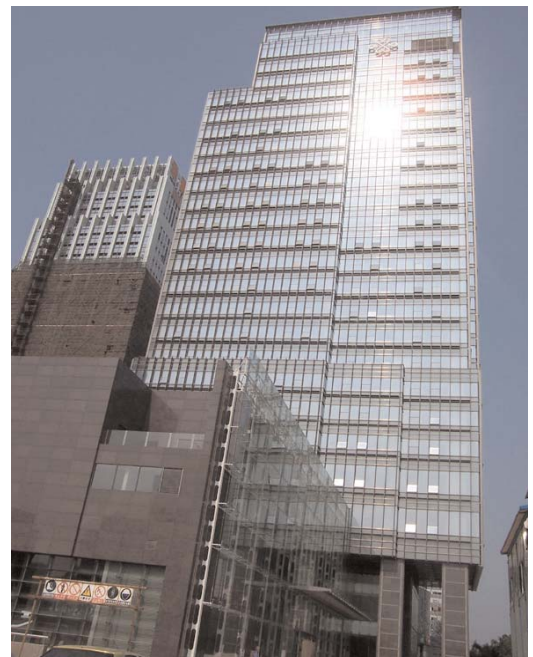
SYSTIMAX® GigaSPEED® XL, LazrSPEED® and iPatch® Solutions connect 10,500 outlets in new 30–floor, 50,000m² Shenzhen Unicom building

Shenzhen Unicom is a division of China Unicom, the third largest mobile telecommunication operator and second largest CDMA cellular operator in the world. Established in 1995, Shenzhen Unicom offers services including mobile telephone, long-distance telephone, Internet Protocol and Internet services.

The company's new 50,000m² headquarters in Shenzhen's new central business district will be the focus for growth and diversification of its services. Scheduled for completion at the end of September 2005, the 30-floor building will have an advanced network connecting 6,500 data and 4000 voice outlets.

As a foundation for this network Shenzhen Unicom wanted the best available LAN cabling infrastructure. The company carefully considered bids from leading suppliers before deciding on solutions from the SYSTIMAX® portfolio.

The solutions it chose included SYSTIMAX® GigaSPEED® XL 3071E Low Smoke Zero Halogen (LSZH) copper cabling for horizontal data connections and LazrSPEED® 550 armored fiber data backbone backup. This cabling will support applications including video, audio, CCTV, access control, VoIP and building management. For voice connections the company chose the SYSTIMAX PowerSUM Solution.



Commenting on the choice, Mr. Zhu Bing, Vice General Manager of Shenzhen Unicom said: "We wanted a high performance cabling infrastructure that would have an absolute minimum of downtime - as one of China's leading telecommunications companies, we cannot compromise on our own in-house communications.

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Mr. Zhu Bing, Vice General Manager of Shenzhen Unicom

"We knew that with SYSTIMAX® Solutions we would get well proven products developed and manufactured by a world-leading supplier. It was also very important to us that the company's products are backed by the best guarantees and applications assurances in the industry."

As well as GigaSPEED XL and PowerSUM copper cabling, the installation will include LazrSPEED 550 12-fiber aluminium armored indoor cable. Used in the main network backbone, this cabling can support data transmission at 10 Gb/s over distances up to 550 meters. The LazrSPEED laser optimized multimode fiber solution is also able to deliver this performance without the use of expensive singlemode opto-electronics.

Like the PowerSUM and GigaSPEED XL Solutions, which comfortably exceed the Category 5e and Category 6 cabling standards respectively, the LazrSPEED Solution exceeds the OM3 fiber standard. All three solutions are able to perform to their full specifications in end-to-end connections, even under adverse conditions.

To manage the data cabling, Unicom will use the innovative new SYSTIMAX iPatch® intelligent patching system for both copper and fiber solutions. iPatch hardware will be installed in the building's 28 communications rooms to manage all 6,500 data connections, making it the largest iPatch installation in China to date.

The iPatch System will improve control over the network by allowing network managers to monitor and manage the physical layer via their desktop PCs. In addition, the innovative new system, developed at the world-leading SYSTIMAX Labs, gives technicians the information they need for re-patching displayed on the iPatch Rack Manager Plus panel. Light Emitting Diodes (LEDs) positioned above the patch panel ports show technicians where they should connect patch cords. This helps to eliminate patching errors and saves installation time.

The cabling infrastructure, including iPatch hardware is being installed by SYSTIMAX BusinessPartner Guangzhou Fudan Auto Technologies Co., Ltd. The company, which also designed the network in cooperation with Shenzhen Unicom, will deploy a team of up to 50 people on the project.

In total it will install 280 kms of GigaSPEED XL cabling, most of it the Low Smoke Zero Halogen version. For voice connections, 25 kms of PowerSUM cabling is being installed and 5kms of LazrSPEED fiber will be installed in the data backbone. This will be routed from the communications rooms to work areas in cable runs above the ceilings, with redundant connections to provide resilience in the case of cable damage.

"The Shenzhen Unicom project is another example of how the SYSTIMAX product portfolio, such is meeting the needs of major corporations in China," said Charles Wong, Managing Director of Greater China and Korea, SYSTIMAX Solutions. We won the order against strong competition because we could offer high performance connectivity backed by industry-leading guarantees and application assurances. These assurances are based on work at the world renowned SYSTIMAX Labs proving that SYSTIMAX Solutions can support all major networking applications conforming to accepted international standards."

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