

SYSTIMAX® SOLUTIONS

High Flying SYSTIMAX® Solutions Land Order for New \$2.4 Billion Airport

SYSTIMAX® GigaSPEED® XL and LazrSPEED® Solutions make Guangzhou's New Baiyun Airport the most Advanced in China

A network infrastructure with 20,000 outlets will be installed in the first phase of construction of the terminal buildings at Baiyun International Airport, Guangzhou, Southern China. These will include

12,800 SYSTIMAX GigaSPEED XL copper connections and nearly 7,500 fiber-optic outlets, forming part of a \$2 million installation in the terminal and surrounding buildings. An estimated 35,000 information outlets will eventually be installed, helping to give

Baiyun one of the most operationally efficient airport infrastructures in the world.

Situated in the Huadu district of the city of Guangzhou, the new Airport will be a transport hub serving all Southern China and other parts of the country. To fulfill this role, it needs a high-capacity, highly reliable network to support current and future airport systems and telecommunications within the 300,000m², five-story terminal and surrounding buildings.

The network, which supports integrated voice, video, and data transmission, will serve ten subsystems.

These include public address, CCTV, CATV, building automation, LED/LCD display modules and access security systems.

"SYSTIMAX Solutions™ give us the confidence that the project will attain the greatest success," says Cui Zi Hui, director of the Low Voltage Department of Guangzhou Baiyun Airport Project Management Center. "It lays down an essential foundation for our telecommunications development. Together, the number one brand in cabling - SYSTIMAX SCS - and the number one international airport in China - Guangzhou Baiyun International Airport - will help to make Guangzhou into China's international metropolis of the future."

To select a supplier for this complex and challenging project, airport officials worked with teams of technical experts at the CAAC (Civil Aviation Administration of China). Together they assessed all prospective suppliers and conducted in-depth technical reviews, carrying out stringent performance tests before concluding that a combination of SYSTIMAX GigaSPEED XL and LazrSPEED Solutions was the best choice. SYSTIMAX distributor Xiao Tong Electronic Co. was selected to handle supply logistics and product delivery.



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Cui Zi Hui, director of the Low Voltage Department of Guangzhou Baiyun Airport Project Management Center.

Recently, the SYSTIMAX product portfolio was awarded quality certificates by the China State Bureau of Quality and Technical Supervision (CSBTS). It also has approvals from the Telecommunications Standards Committee of the Ministry of Information Industry (MII), governing body of China's telecommunications and IT industries.

At the Guangzhou Airport, GigaSPEED XL CMP (Communication Plenum Cable) horizontal cable, which is Underwriters' Laboratory (UL) approved, will be used for the first time in China. In addition, 230km of 10 Gb/s LazrSPEED multimode fibre-optic cable, satisfying the highest UL optical fiber non-conductive plenum (OFNP) flame-retardant standards, will be installed.

The infrastructure will have 89 Intermediate Distribution Frames for flexible cabling management. These include SYSTIMAX 1100 series panels for GigaSPEED copper connections and 600BLS patching hardware for fiber connections. The whole system will be managed with the help of SYSTIMAX Cable Manager-2 software.

The new airport project is now progressing smoothly towards its opening in October 2003 with the cabling infrastructure scheduled for completion in March 2003. It is expected that Baiyun will become the largest Asia Pacific hub both for passenger and cargo traffic in the Far East. By 2010 it is estimated that 25,000,000 air travelers will be using the airport annually.

"For such huge numbers of passengers to progress quickly on their journeys, even greater amounts of information must move almost instantly between many different systems," said Yang Qi, Sales Director, SYSTIMAX Solutions, South China. "There is no room for compromise on the quality or performance of the network infrastructure since the airport can only operate at peak efficiency when the information flow is fast and uninterrupted."

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