

# SYSTIMAX®

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## SOLUTIONS

### Planting the Seeds for Growth: SYSTIMAX® Solutions Provides Integrated Cabling Infrastructure for Citadel Security Software

**Citadel Security Software, with the world's largest active library of remediations, delivers security solutions that enable organizations to manage risk, reduce threats and enforce compliance with security policies and regulations. Citadel provides an integrated security policy compliance and vulnerability management solution to meet the requirements of both security and IT operations for reducing IT security risks.**

With the continuous growth in the IT industry, the construction of an entire floor in its Dallas, Texas, corporate headquarters was a natural progression for the security software leader. As a foundation for this network, Citadel needed a solution that could grow with the company and adapt to for future bandwidth-intensive applications.

LazrSPEED® 550 optical backbone products and the SYSTIMAX iPatch® intelligent patching system for cabling administration and better network security. The SYSTIMAX cabling platform will support numerous applications including Internet access, data networks, video conferencing, access control, building management, security alarms and Voice over Internet Protocol (VoIP) applications.



After evaluating several vendors, Citadel chose to work with leading integrated end-to-end connectivity solutions provider, SYSTIMAX® Solutions. Citadel chose the SYSTIMAX GigaSPEED® XL 2071 cable for horizontal data connections, the SYSTIMAX

“We needed a high-performance cabling infrastructure that would give us complete control,” said Scott Mills, director of information technology for Citadel. “We knew that with SYSTIMAX Solutions™ we’d be getting the control we wanted and a product that has unsurpassed headroom far in excess of the published standards. We fully expect the cabling to be able to handle seven or eight years of increasing network demands.”

Acuity-Associates, a cabling infrastructure design company, designed the entire network and worked closely with ComNet, the contractor that performed the installation for the project. Construction for the project and the iPatch installation, began in early fall 2004, and the company moved onto its new floor two months later.

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The GigaSPEED XL Solution offers a fully integrated, structured cabling solution including a range of cables, cords, outlets and patching hardware. Every component works together to deliver electrical performance that exceeds ISO/IEC and TIA Category 6/Class E standards.

The LazrSPEED 550 fiber solution used in the main network backbone enables cost-effective migration from 10 Mb/s to 10 Gb/s in premises networks and is the world's first multimode fiber optic solution to support 10 Gb/s serial short wave transmission at 850 nanometers at distances of over 300 meters. Its laser-optimized multimode fiber optics provides performance without expensive high-precision lasers, combiners, splitters and filters.

Citadel's use of the SYSTIMAX iPatch System helped to eliminate wiring errors and lead to a reduction in downtime in voice and data networks by minimizing human error elements of patching misconnects by providing visual and audible guidance during patching activities as well as enabling a push-button cord tracing. Network security was greatly improved

through the iPatch System capability to generate multiple event alarms that were configured to deliver instantaneous notifications via email to the system administrator about any unauthorized activity in a physical connectivity layer.

“The iPatch System offers a way for us to instantly gain control of our entire cabling infrastructure, which is dynamically changing yet remains self-documenting,” Mills said. “The system records and alerts any cabling changes. Using the work order system, we can set up the approved changes in advance, so that when the change is actually made, the system will validate its accuracy, log the completion, close the ticket and alert us.”

SYSTIMAX BusinessPartner ComNet installed the cabling infrastructure, including the iPatch hardware. The installation included more than 45 miles of GigaSPEED XL 2071 plenum cable and more than three miles of LazrSPEED 550 cable. While most of the cabling was laid in cable trays in the ceilings, a portion of the cabling went under the floor in order to serve freestanding cubicle islands. The company also is providing on-going support for the cabling.

Citadel is experiencing the benefits of the new SYSTIMAX cabling system. The security software company is able to spend less time on day-to-day cabling issues, is able to keep documentation current, accurate and up-to-the-second and can easily determine “who is connected to what” and when that service started or ended.

“With the speed and control that the GigaSPEED XL Solution and the iPatch System offers, Citadel can now devote its time and resources to its customers. And in a growing industry such as IT security, this gives the company a distinct competitive advantage,” said Jeff Lewis, Manager of Regional Sales for SYSTIMAX Solutions, North America.

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