

SYSTIMAX[®]

SOLUTIONS

SYSTIMAX[®] Solutions

Product Backgrounder

A) COPPER CABLING SOLUTIONS

1) The SYSTIMAX[®] GigaSPEED[®] XL Solution - Beyond Category 6

The SYSTIMAX[®] GigaSPEED[®] XL Solution combines the simplicity and versatility of copper cabling with support for the most demanding gigabit applications. With performance well beyond Category 6 specifications and transmissions almost three times quicker than Category 5e solutions, the GigaSPEED XL Solution provides an opportunity to deliver a fast return on investment.

The GigaSPEED XL Solution gives desktop systems less downtime and more bandwidth-intensive throughput than ever before. We believe it is the best choice for businesses where real-time data feeds, fast file transfer and streaming media play a central role. Added to this, its unequalled performance across a 250MHz frequency range offers potential for multi-gigabit throughput in the future.

Forty-one patents have been granted on innovations that help the GigaSPEED XL Solution achieve a breakthrough in Category 6/Class E copper cabling performance.

2) The SYSTIMAX PowerSUM Solution – The First Category 5e Choice for Applications

Introduced in 1996, years before the Category 5e standard was completed, the SYSTIMAX PowerSUM Solution is one of the highest performing Category 5e cabling available and proved itself to be the blueprint for the completed Category 5e standard.

It offers more value based on better performance, providing bandwidth, throughput and reliability far above Category 5 products and improves on the electrical performance specified in the Category 5e standard by 100 percent.

The PowerSUM Solution is the first Category 5e choice for applications that need high quality, fully integrated cabling without the throughput potential of Category 6 cabling.

B) FIBER CABLING SOLUTIONS

1) The SYSTIMAX LazrSPEED® Solution

The SYSTIMAX LazrSPEED® Solution provides a low-cost, low-risk route to reliable LAN communications in the multiple Gb/s range. It boosts performance to a blistering 10 Gb/s without the need for expensive opto-electronics, therefore significantly reducing the cost of achieving higher speeds over multimode fiber.

It was the world's first multimode fiber-optic solution to support 10 Gb/s transmissions at distances up to 550 meters, making single point administration topology a real low cost design alternative and allowing more campus backbones to be supported at 10 Gb/s over a much lower cost multimode alternative.

2) The SYSTIMAX OptiSPEED® Solution

The SYSTIMAX OptiSPEED® Solution was developed to provide a fiber-optic solution that is the backbone for today's performance requirements. It provides one of the lowest loss channels in the industry, over 300 meters, a longer distance than specified by the standard.

SYSTIMAX Solutions™ channels comprised exclusively of OptiSPEED passive products, end-to-end, are capable of delivering up to 10 Gigabit per second over limited distances in accordance with application standards.

3) The SYSTIMAX TeraSPEED™ Zero Water Peak Fiber Solution

This solution is designed to cost-effectively further future-proof enterprise and metro campus backbones for next generation equipment. It removes the 'water peaks' associated with traditional singlemode fiber, increasing the useable wavelength range by over 50%.

This unique feature of TeraSPEED™ fiber allows complete support for optical electronics that operate at higher serial speeds or that employ wavelength multiplexing to provide lowest-cost further future proofing.

C) PATCHING SOLUTIONS

1) The SYSTIMAX iPatch™ System

The SYSTIMAX iPatch™ System monitors and manages all SYSTIMAX Solutions fiber and copper connections, across a site or at remote locations, from PCs anywhere on the LAN. It virtually eliminates wiring errors and cuts downtime in voice and data networks by providing powerful tools for administrators and technicians to monitor the entire communication network from one point.

Every fiber and copper port connection is continuously monitored, verified and logged in a central database. Whenever there is an unplanned change on any panel, the system can be configured to trigger notification via pager, email and even calling your phone. Automated work orders and updating of the iPatch database, connectivity maps and logs save administrators' time. And, one touch cord tracing and patching guidance displayed on communications room racks let technicians work fast and get it right first time.

2) The SYSTIMAX InstaPATCH™ System

The SYSTIMAX InstaPATCH™ System is an exciting new system engineered with factory terminated and tested fiber components that simply snap together, eliminating the time consuming tasks of installation of cable preparation, connector termination, apparatus assembly, and testing.

Ninety-six fibers can be ready for service in the time it usually takes to install a single connector in the traditional installation process, keeping network downtime or network turn-up time to a minimum. Customers can have interconnect and cross-connect patching systems in service in an instant.

The new system combines the proven, cost effective 10 Gb/s performance of LazrSPEED fiber with the highest fiber connector density that is currently offered in the industry. In sectors such as financial services, where demand for instant information is growing dramatically, the new system makes it easy to add fiber bandwidth as soon as it is needed.

3) The SYSTIMAX 110 VisiPatch™ System

The SYSTIMAX 110 VisiPatch™ System is the next generation in patch panel design. It is designed to support fast, easy installation with low operating costs, enabling an organization to reduce labor and administrative expenses. It helps minimize the risk of downtime and gives IT professionals greater control and management of an "organized" IT system.

SYSTIMAX Building Automation System

The SYSTIMAX Building Automation System (BAS) is a high-performance, flexible cabling infrastructure system that supports building automation devices and systems by providing reliable, cost-effective connectivity for intelligent building control and management. The SYSTIMAX BAS System involves the replacement of multiple proprietary cabling systems with a single cabling infrastructure for supporting several building services controls signals, whether they are for security, lighting or energy management.

It provides for a cost-effective, next generation cabling solution, which maximizes performance, while minimizing the overall lifecycle cost and total cost of ownership of a building.

The SYSTIMAX BAS System provided the blue-print for the ANSI/TIA/EIA-862 Building Automation System, which specifies a generic cabling system for BAS for use in commercial buildings.

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