

SYSTIMAX®

SOLUTIONS

Connecting the World of Learning

Textbooks, workbooks and notebooks, once central in the educational landscape, are being replaced by electronic portals revealing a wider world of information and knowledge. At every level, from kindergarten to postgraduate training, computers are opening up opportunities to raise learning standards and reduce costs.

But meeting new demands from students, parents, government and the community depends on more than PCs alone. To realize their full potential, computers must connect with each other and with information resources including central databases and the Internet. As their use of computers reaches the reliance seen in commerce and industry, schools, colleges and universities face the same network challenges as their counterparts in business.

Early vintage local area networks (LANs) used to distribute applications and Internet access do not satisfy all of today's needs. Much faster connections are now essential to connect a growing population of powerful PCs. Only in this way can computers deliver instant access to information, support sophisticated Web sites and servers and become powerful tools for e-learning, communication and administration.

Reliable web based access is enriching the educational experience. Across all institutional levels visual and video content is part of the everyday curriculum as Pixels Outpace Paper in the quest for knowledge.

Computer literate students and parents are looking for institutions at every level that offer best computing and communications facilities. At the same time, schools, colleges and universities want to strengthen links with the rest of society through better communication with community, local business and government.

Improved network connectivity is essential to meeting all these objectives. The foundation for this is high quality cabling that delivers consistent, reliable connections between computers and gateways to outside information resources and organizations. To meet these requirements in both the short and long term, cabling must be able to support current video access and deployment, gigabit networking and also faster technologies that will be introduced in the future.

The benefits of high quality cabling are not confined to e-learning and fast visual information flow. The cost effectiveness of a new or upgraded Multiservice infrastructure is further improved by relying on it to connect other applications vital to educational establishments. Security, surveillance, CCTV, CATV feed and environmental control systems, all essential in today's educational environment, can all use the same high-speed cabling installation.

SYSTIMAX® Structured Connectivity Solutions (SCS) deliver more return on IT investment.

- Multiservice platform – flexible UTP based cabling infrastructure to support broadband and baseband video over the LAN cost effectively.
- Video links for e-learning – SYSTIMAX® GigaSPEED® XL Solutions provide the high throughput and low error rates essential to high quality video transmission over the LAN. By removing the need for direct cable and satellite links to many points across the campus, they make distance learning more practical and affordable.
- On-line collaboration and video conferencing – SYSTIMAX SCS give students, teachers and administrators the high-speed networking needed to use application sharing, distance learning and conferencing features built into the latest operating systems.
- Better access to the Internet – robust reliable LAN connectivity ensures best use of high-speed internet gateways, delivering information quickly keeping pace with students' expectations and needs.
- Fast network response – As Websites and inhouse systems multiply and grow, high performance SYSTIMAX cabling will ensure the extra traffic does not slow the network.
- One cabling infrastructure for all - if required, teachers, students and administrators can have integrated networks running on a single SYSTIMAX SCS installation. Analog baseband composite, S-Video, RGB component, & broadband CATV, access control and building management systems can also plug into the same versatile cabling infrastructure.

Bandwidth per Student – the new measure of educational potential for IT.

The SYSTIMAX SCS Advantage

- Proven success in the educational environment with institutions of learning across the globe that are benefiting from the implementation of SYSTIMAX SCS installations.
- Complete portfolio of performance leading copper and fiber solutions to provide flexible upgrade to all LAN architectures.
- Cost effective multiservice infrastructure utilizing UTP technology to support integrated voice, data and video service.
- End-to-end performance exceeding international standards comfortably supporting gigabit networking.
- Integrated solutions avoid the compromises and risk associated with mixed vendor cabling.
- Robust, high quality connectors and outlets withstand years of hard use.
- Industry-leading reliability cuts disruptive and expensive network downtime.
- A choice of cabling and patching hardware suits differing needs and budgets.
- Performance guarantees are backed by testing at SYSTIMAX Labs, the world's leading cabling development facility.
- Authorized SYSTIMAX BusinessPartners ensure that every certified SYSTIMAX SCS installation delivers its full potential, today and tomorrow.

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