

## HIGHER EDUCATION EXCELS WITH INTEGRATED H3C NETWORK SOLUTIONS

### Overview

In the drive to give online access to everything from test scores and lecture materials to the latest research data, higher education institutions are building complicated infrastructures capable of powering sophisticated e-learning solutions. By offering anytime/anywhere access to virtual learning environments—rich with tools for lecture capture and retrieval, multimedia collaboration, and social networking—universities and colleges are enhancing academic productivity, improving campus mobility, and both attracting and retaining talented students. They are also encountering new challenges related to their utilization of advanced technologies. Their IT departments are tasked with reducing the cost and complexity of their network infrastructures and protecting sensitive information, while maintaining an open, collaborative environment.

To complicate matters further, many academic institutions struggle to oversee network resources from multiple vendors. If they resolve this dilemma by implementing single vendor environments, they risk becoming trapped by the business vision of a dominant vendor and locked into expensive and inflexible proprietary products.

There has never been a more opportune time for colleges and universities to consider new approaches that can differentiate their institutions at the network infrastructure level. Proven in enterprises across major global markets, H3C® solutions take a multi-pronged approach to higher education's most pressing concerns with an end-to-end portfolio of networking solutions that scale to meet accelerating needs and integrate with third-party components to optimize investments and resources.

### Improving Learning on Demand

Higher education institutions are investing significant time, money and resources in promising technologies, such as learning management systems and real-time audio and video collaboration tools. Yet many networks cannot support the high bandwidth demands of these technologies. Bottlenecks hinder on-demand learning experiences and tarnish an institution's reputation.

#### **H3C network solutions address performance issues by:**

- › Ensuring the availability of network resources with an intelligent, redundant architecture
- › Scaling to support 10 Gigabit Ethernet connectivity with a modular switching architecture
- › Enabling prioritization and service for critical applications through advanced traffic management, QoS and low latency
- › Accelerating the delivery of digital images, voice and video to remote locations with embedded network services such as WAN optimization
- › Providing single-pane manageability of the entire network infrastructure for rapid deployments with maximum visibility into impact

### Ensuring Student Privacy

Students and faculty expect extended networks with unlimited access to courseware and communications tools. Smartphones, notebooks and even gaming systems, however, invite malicious traffic, bandwidth hijackings and blended threats. Security breaches can jeopardize business continuity and student privacy, and impact compliance with such government regulations as the U.S. Family Educational Rights and Privacy Act and the European Union's Data Protection Directive. The potential for network users to access and download illegal content further fuels needs for proactive, multi-layered security.

**The H3C Secure Network Fabric delivers:**

- › Embedded protection at all layers of the network—not just the perimeter
- › Real-time, automatic responses to threats with unified threat management platforms, standalone VPN firewalls and blades, and TippingPoint® intrusion prevention systems
- › Advanced authentication of users and devices, granular access controls, encrypted system management access and quarantine enforcement
- › Integrated network and security management, deployment and lockdown of global security policies network-wide
- › High resiliency and rapid—less than one second—failover so servers stay protected in the event of an attack

## Reducing Cost and Complexity

The demands of connecting multiple campus locations and using several management tools—one tool for the admissions office and another for checking system health—can overburden IT resources and increase human error. One mistaken configuration change can halt network traffic while IT staff isolate and fix the problem. Today's economic climate demands that education institutions cut costs and protect their networking investments without compromising administrative or student productivity and security.

**H3C stretch budgets and resources by enabling:**

- › Greater productivity through simplified network operations, a common operating system for rapid, cost-effective deployments of new applications and policies, standards-based interoperability and single-pane management of the entire network infrastructure
- › Superior investment protection with pay-as-you-grow flexibility and a modern, merchant silicon-based architecture that adapts quickly to new application needs
- › Lower acquisition costs and improved operational efficiencies without hidden fees, licensing or proprietary upgrades
- › Reduced power consumption from energy-wise products, independently rated up to 40 percent more efficient than the industry average (Miercom Lab Testing Report #090521, May 2009)

## Partnering for Success

Higher education institutions need the right networking solutions to serve the campus community and compete effectively for students and research dollars. They need technology partners that can anticipate their needs and react swiftly with innovative, budget-stretching solutions that integrate with new and pre-existing investments and scale for future growth. With H3C solutions, institutions can obtain full value from ground-breaking applications that range from unified communications and IP telephony to IP video surveillance technologies. They can bank on peak operation around the clock and unparalleled 24/7 service from well-funded R&D and engineering teams that work side-by-side with customers. H3C solutions are the right choice right now for higher education's demanding IT environment.

### INTELLIGENT MANAGEMENT

IT professionals need a penetrating network view and granular control to keep large, complicated networks and bandwidth-hungry applications running smoothly, provide secure network access to diverse users and devices, and ensure compliance with government regulations. The **H3C Intelligent Management Center (IMC)** solution ensures:

- › Enhanced productivity with a single-pane management console
- › End-to-end network visibility and control for quick response to threats and priority for vital learning applications
- › Monitoring and management of multi-vendor switching, wireless, security and VoIP products
- › Student privacy and regulatory compliance with automatic monitoring, reporting and threat remediation tools
- › Faster rollout of network and security changes with system-wide policy configuration

Visit [www.h3cnetworks.com/higher\\_education](http://www.h3cnetworks.com/higher_education) for more information about H3C network solutions.

Copyright © 2009 3Com Corporation. All rights reserved.

The 3Com logo, H3C, the H3C logo, TippingPoint and the TippingPoint logo are registered trademarks in various countries worldwide of 3Com Corporation, Hangzhou H3C Technologies, Co., Ltd, and TippingPoint Technologies, Inc., respectively. All other company and product names may be trademarks of their respective companies. While every effort is made to ensure the information given is accurate, 3Com Corporation, Hangzhou H3C Technologies, Co., Ltd, nor TippingPoint Technologies, Inc. accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice.  
101267-001 11/09

