**bluesocket**

# DeVry University

DeVry University is one of the largest degree-granting higher education systems in North America.  With nearly 70,000 students dispersed across more than 90 locations in the U.S. and Canada, a high-performance wireless network is essential.  When it came time for DeVry to upgrade their wireless solution, Bluesocket, Inc.'s WLAN product portfolio was the clear choice for reliability, security, and administrative ease.

## DeVry University
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In more than 75 years, DeVry has graduated over 235,000 students.  The tens of thousands of students who make up the DeVry community each year choose the University for its commitment to providing current, market-driven curriculum in an interactive and collaborative educational environment.  To support this expectation, DeVry expanded its network with Bluesocket's high-performance BlueSecure™ Controllers and 802.11n 1800 series Access Points.

## BLUESOCKET DEPLOYMENT AT DEVRY UNIVERSITY

- Secure wireless network built on 75 BlueSecure™ Controllers provides fast, reliable access across DeVry's 93 campus locations in North America

- 900 BlueSecure™ Access Points installed throughout 110 buildings

- Award-winning BlueSecure™ 802.11n Access Points support up to 300Mbps transfer rate

- BlueProtect™ Client Scanning solution monitors peer-to-peer applications and appropriate security software

- BlueView™ Management System provides a simplified WLAN management with centralized configuration and maintenance, policy management, and monitoring capabilities

## DeVry University

The University's history traces back to 1931 when it was established as a small technical training school in Chicago.   Today, DeVry offers undergraduate, graduate and lifelong learning programs in technology, business and management, health sciences, media and liberal arts.  Through its many years of growth, the school's technology roots still permeate throughout the system, as seen in the strong emphasis placed on the quality of technology and connectivity provided to students, faculty, staff and visitors.

Today, technology continues to drive the DeVry community.  The faculty relies on the wireless infrastructure to update and disseminate curriculums and conduct research projects.  Headquartered in Chicago, DeVry operates a mix of large metro campuses as well as smaller urban sites located throughout the U.S. and Canada. Across each of  these campuses students are well connected with the latest gadgets in personal computing and communications.  They arrive on campus each day with personal laptops and Internet-ready cell phones loaded with various multimedia and social networking applications.

Each of these devices brings with it the opportunity to connect, share and learn collaboratively.  At the same time, they pose a threat to the security of DeVry's network.  The need for a secure, high performance network system was a driving factor behind DeVry's decision to find a new wireless infrastructure.

Their requirements included a solution that could be applied across all 93 locations with the flexibility for customization to meet the unique requirements of each campus.

## The Challenge for DeVry

DeVry, like many educational institutions, is faced with the growing challenge of supporting students and faculty in their adoption of mobile computing while maintaining a secure and high-performing infrastructure.

Recognizing that their wireless network was quickly becoming outdated on both the technology and security fronts, DeVry sought out a solution upgrade that would address vulnerable security areas and achieve greater performance for end users.  It had to be robust enough to accommodate virtual student collaboration, heavy Internet usage and secure guest access features, while at the same time  protect the network from undesirable traffic and clients with insufficient security parameters.  They also looked to reduce administrative oversight of the network.  Additionally, DeVry needed a WLAN solution that could be standardized across all of its campus locations, regardless of size.

As part of the selection process, DeVry tested hardware and evaluated software and support from three industry leaders.  Bluesocket's WLAN product portfolio outperformed key competitors  during this thorough evaluation, making it the clear choice for DeVry's IT team.  DeVry was especially  impressed with the flexibility of the Bluesocket solution to support the increasing mobility of students and faculty across the campuses.

This solution also simplified access for end users resulting in a reduction of network management time for IT staff.

"We tested hardware and evaluated software and service from three industry leaders.  Bluesocket had the most complete solution – both technically and architecturally.  They have a flexible architecture with multiple options to setup our network," says

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## Secure Mobility® Solutions

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Jim Vignali, Central Group IT Director at DeVry University.  "We expect Bluesocket to be a great solution for our network users as we leverage laptops more within the classroom and in team projects outside the classroom."

### The Bluesocket Solution
DeVry is taking full advantage of Bluesocket's suite of Wireless LAN products to completely and seamlessly upgrade their network.  The first locations to receive the upgrade were the Metro campuses in Texas and Virginia.  The BlueSecure™ 5200 Controllers are a perfect fit for these larger sites faced with high traffic volumes. DeVry's smaller University Centers implemented BlueSecure™ 1200 Controllers where bandwidth is in less demand. The DeVry installation includes BlueProtect™ Client Scanning software along with BlueSecure™ 802.11n Access Points to increase range and end user connection rates for maximum productivity.

Bluesocket's BlueView™ Management System gives DeVry IT administrators a simplified WLAN management with centralized configuration and maintenance, policy management and monitoring capabilities for the BlueSecure™ Controllers and Access Points located across multiple locations.

As part of the total solution, the DeVry implementation includes a range of BlueSecure™ products including 75 BlueSecure™ Controllers with 900 Access Points.  For an additional layer of network security, DeVry added BlueProtect™ Client Scanning licenses for each Controller to monitor end points for peer-to-peer applications and appropriate security software.  This robust NAC solution is integrated into all BlueSecure™ Controllers and is activated using a cost-effective license.

"The Bluesocket solution from a technical perspective was a great match for DeVry and supported their need for low total operating costs and ease of use.  At the same time, I think the strong relationship that we established in the sales process reflects our mutual commitment to form a lasting partnership.  Understanding early on in the process that this was an important consideration in selecting their wireless networking provider helped us win their trust and business.  DeVry has recently decided to migrate to 802.11n and is also leveraging our BlueProtect NAC solution to provide an enhanced level of end point security against malware and viruses," says Mads Lillelund, CEO at Bluesocket.

The Bluesocket solution interfaces directly with DeVry's Active Directory environment, easing the burden of authentication.  Each day tens of thousands of students, faculty, staff and visitors access the University's wired and wireless networks  using a single user ID and password combination. For Vignali, this streamlined network integration saves administrative time by eliminating the need to support multiple log-in procedures. A benefit he didn't have with the previous system.

For the students and faculty at DeVry, the switch to Bluesocket has been smooth.  Users were provided with a basic step-by-step guide detailing the simple process to securely access the network. The new safeguards in place with BlueProtect™ identify  the absence of firewalls and virus definitions providing increased security and peace of mind to the entire DeVry community.

"We're pleased to be able to standardize product throughout our network.  Bluesocket is an excellent product, service and support solution.  They have proven to be more than just a supplier; they are a true partner, fully integrated into the University's infrastructure," says Eric Dirst, Chief Information Officer at DeVry.  "Our relationship came full circle when we discovered the senior Bluesocket engineer leading our implementation is a DeVry graduate.  We look forward to continuing to grow the partnership."

DeVry's participation in Bluesocket's beta test program has been another big win.  "As one of Bluesocket's beta test sites, we have the opportunity to preview upgrades and make suggestions for product enhancements that will fit our specific needs. Bluesocket hears our requests and we see our feedback implemented with the  rollout of new releases," says Vignali.

Looking ahead, the cost savings of wireless and easy implementation across the network positions DeVry to stay ahead of capacity demands and introduce new services quickly and cost effectively.