



Distinguished University in West Virginia Modernizes Campus with Cutting-Edge Network Solutions from D-Link

Evolving technology helps university attract and retain outstanding students, faculty and administrators, while making the most of its limited budget

The Vision: Enhance campus-wide networking technology to keep pace with modern learning strategies

Most universities today—regardless of their diversity—experience one common challenge. Their campus-wide networking technology regularly need modernization due to students' evolving expectations, changing teaching methods, aging equipment and rapid upgrades within IT technology itself.

However, few public universities have the luxury of making radical technology transformations all at once. Rather, most follow a more conservative process of gradually replacing end-of-life technology with more modern solutions and making smaller upgrades over time, as budget allows. Therefore, finding affordable solutions that provide state-of-the-art features and also stretch budget dollars to their fullest is always a top priority.

The Solution: Advanced network switches that provide winning performance and outstanding value

In order to attract and retain outstanding students, faculty and administrators, one distinguished university in West Virginia knew it needed to update its technology infrastructure to meet the requirements of a growing university. The university's previous network consisted of Linksys consumer-grade access points, which proved to be inconsistent, difficult to control and easy to hack.

Fortunately, a state research grant was the catalyst behind one recent network upgrade.

The university needed to add a 10-Gigabit core switch to support a new high-performance computer and connect it to other buildings on campus, as well as to other nearby academic institutions—enabling their researchers to better collaborate with others on statewide research.

For assistance, the university turned to its trusted reseller partner, Infinet Technology Solutions (Syracuse, N.Y.).

"The university needed a quality core switch, but the Cisco solution was very expensive," said Joe Hamel, Senior Account Executive, Infinet Technology Solutions. "We introduced them to the D-Link DES-7210 chassis switch because the capabilities were the same yet the pricing was much better. The university already had some smaller D-Link unmanaged switches and standalone access points, but we were able to show them that D-Link offers much more than that. We installed the new core switch, they loved it, and they've now begun installing D-Link PoE head switches and enterprise-level PoE access points throughout the campus."

"It's been satisfying for me to see this university's evolution of technology—and growth with D-Link—going from standalone access points to small, unmanaged switches, and now to a core switch and enterprise-level access points," added Hamel.

Key D-Link Purchase Drivers Performance

D-Link's reliable, full-featured business-class network switches help meet the challenge of growing demands and shrinking resources.

Value

D-Link's attractive price points helped the university gain innovative, upgraded network solutions, while optimizing its limited budget.

Security

D-Link xStack Series switches connect users in a secure environment and support physical stacking, multicast and enhanced security, making these switches an ideal Gigabit access layer solution.

With the D-Link core switch in place and network improvements well underway, the university is making great strides toward its ultimate goals.



D-Link in Action: High-performance managed switches provide better management, more capabilities and higher overall value

By making the transition to managed PoE switches, the university now enjoys a variety of newfound benefits. Not only have they gained Gigabit speed, they've eliminated the need to install power outlets for the access points, and also acquired network-management capabilities that save time and make life simpler. PoE switches can also support the university's growing number of VoIP phones and IP security cameras.

With the D-Link core switch in place and network improvements well underway, the university is making great strides toward its ultimate goals. The 10-Gigabit core switch is working very well and giving the team much more control over the network.

The university is well underway with other network expansion projects, too. Infinet Technologies is helping the university add managed switches, expand its wireless coverage and implement unified wireless into dorms and various campus buildings.

With an increasing number of managed switches on the edges (many with built-in VLAN capability), the university plans to use more VLANs to segregate traffic from various networks, such as VoIP traffic, wireless traffic, traffic from security cameras and traffic from students/administrators.

What's the secret behind the university's success? Advanced product quality together with responsiveness, expert technical support and unsurpassed financial value—all of which are found in a partnership with D-Link.

The University's complete product integration includes:

DWL-3140AP	Web Smart PoE Access Point	DGS-1500-28P	24-port 10/100/1000 + 4-port SFP Gigabit SmartPro PoE Switch
DES-7210	Chassis Series Switch	DWS-4026	Layer 2+ Unified Wired/Wireless Gigabit Switch
DES-7200-CM4	CPU Module for DES-7210 Chassis Series	DWL-6600AP	Wireless N DualBand Unified Access Point
DES-7200-48	44 Gigabit PoE and 4 Combo Port Module	DAP-2590	Wireless N DualBand PoE Access Point
DES-7200-1200AC	1200W AC RPS for DES-7200 Chassis Series	DPS-800	2-slot Rack- Mount Chassis
DES-1228P	Web Smart 24-port 10/100 PoE Switch	DPS-500	140-Watt RPSU Redundant Power Supply Unit
DES-1024D	24-port 10/100 Mbps Desktop Switch	DGS-712	SFP 10/100/1000BASE-T Copper Transceiver
DEM-422XT	10 Gigabit XFP 10G Base-LR Transceiver	DGS-3627G	xStack 24-slot SFP Layer 3 Managed Gigabit Switch
DEM-410X	10-Gigabit XFP Module	DGS-3100-48	48-port Layer 2 Gigabit Stackable Switch

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