



WiNG 5 WLAN SOLUTIONS CUTTING EDGE CONNECTIVITY WITH 802.11n

WiNG 5 WLAN SOLUTIONS. LESS REQUIRED. MORE DELIVERED.



LET KNOWLEDGE FLOW FREELY

Computers and networking are a way of life on college campuses. Students connect indoors and out for fun, multimedia learning, and test taking; faculty use the network to publish course materials, grade and post students' work, conduct research, and teach distance-learning courses. For administration, the network is just as essential, using wireless devices and services to boost maintenance and operational efficiency, and to enhance campus security with wireless video surveillance technologies. Campus-wide, it all equates to thousands of users and high-bandwidth applications your wireless LAN must handle, and by 2013, it will be even more taxing as 99% of students are estimated to have 802.11n devices.

FIRST IN LINE FOR THE ONLINE WORLD

Colleges have always led the way to a more connected world, and classrooms today are fully networked. Lectures are frequently posted online, and media-rich research material is shared in real time between institutions. With the cutting-edge technology of 802.11n, your institution can not only establish itself as progressive, but also facilitate a more enriching experience that is attractive to students and faculty alike.

But dropped connections can frustrate the learning process. Students can miss important streaming information, or professors might have to stop

in the middle of a class and continue without the help of their teaching aids and materials.

Overloaded WLANs can drop a signal and give students and faculty the choppy experience that impedes academics. And as your campus switches to the 802.11n standard, you will be opening the doors for a big increase in traffic that can overwhelm your network — if it's not the right one. Our WiNG 5 WLAN is uniquely designed to handle the high throughput demands of an 802.11n network, with top performance.

“Wireless connectivity is no longer an option on laptops that students purchase; 802.11n is the standard implementation for new laptop wireless connectivity.”

— Gartner Research, 24 June 2009

HIGHER EDUCATION USE CASE

INTELLIGENCE THROUGHOUT THE CAMPUS AND THE NETWORK

The WiNG 5 WLAN works differently than other networks. Intelligence is built-in to both access points and controllers, so the access points are aware of each other, the controllers, and other network conditions. They can communicate with all other network elements to determine the best direct path for data traffic. They also deliver full security, quality of service and mobility services throughout your network, so each transmission can truly be independent of the controller and full network services are available right at the edge of the network. While controllers are still used to manage, direct and scale the network, individual transmissions don't have to go through the controller and can take place via the shortest path.

Without the risk of bottlenecks at the controller, the WiNG 5 WLAN maximizes your capacity to serve more users, even at peak traffic times, and to deliver smooth streaming video that's crucial to the college learning environment.

WiNG 5 WLAN solutions' distributed intelligence and collaborative packet routing allow it to handle larger volumes of traffic without becoming overwhelmed. It can also recognize and automatically mitigate problems like RF interference, overloaded access points and clients on the coverage fringe so that the users stay connected.

And the WiNG 5 WLAN architecture is flexible enough to meet the needs of any college or university, large or small. We have access points designed for classroom and admin buildings, for dorm rooms, for remote locations and even for outdoor use so that students can sign on and learn when they're just hanging out on the quad. Our broad portfolio lets you build a solution that best fits your campus.

WIRELESS NETWORK SOLUTIONS

Motorola delivers seamless connectivity that puts real-time information in the hands of users, giving customers the agility they need to grow their business or better protect and serve the public. Working seamlessly together with its world-class devices, Motorola's unrivaled wireless network solutions include indoor WLAN, outdoor wireless mesh, point-to-multipoint, point-to-point networks and voice over WLAN solutions. Combined with powerful software for wireless network design, security, management and troubleshooting, Motorola's solutions deliver trusted networking and anywhere access to organizations across the globe.

MOTOROLA AIRDEFENSE SOLUTIONS: THE WISE CHOICE FOR MANAGING AND SECURING YOUR NETWORK

Motorola AirDefense solutions allow you to proactively manage, safeguard and troubleshoot your entire network, regardless of vendor or architecture, from one central monitor. Our solutions ensure customer information and corporate data are stored on secure and reliable networks.

- Recognize impending threats & security holes while enforcing usage policies to safe guard sensitive data
- Identify and remediate network interference issues before they impact operations
- Simplify management with a centralized console for controlling WLAN infrastructure management

