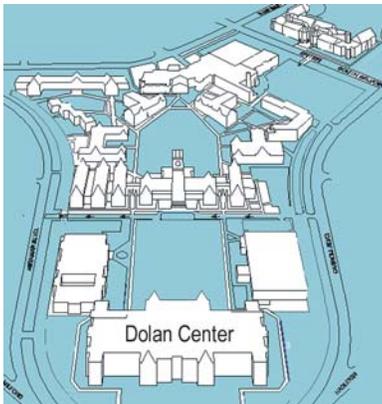


## John Carroll University Deploys Campus-Wide Integrated Cellular/WLAN Solution From Nextel and RadioFrame Networks

### Students and Faculty to Benefit from In-Building Coverage, Ubiquitous WLAN Access

John Carroll University and Nextel Communications Inc. announced the availability of integrated cellular/WLAN service across the university's 60-acre campus. The 5,000 students and faculty returning to the Cleveland, Ohio school this fall can now access wireless broadband data anywhere on the John Carroll campus, including throughout buildings and outdoor areas. This integrated service also affords users improved Nextel cellular and Direct Connect™ coverage across campus, allowing more reliable voice service everywhere, and seamless handoffs to and from buildings.



The 60-acre John Carroll University campus now enjoys enhanced Nextel coverage, call quality and WLAN access.

Students and faculty using the new \$66 million Dolan Center will enjoy enhanced Nextel 4-in-1 coverage and WLAN over the converged RadioFrame in-building solution

WLAN provides users with wireless connectivity, mobility within the premises and wireless network connections at speeds as high as 11 Mbps, the standard for 802.11b technology. Students and faculty at John Carroll will now be able to use their PDAs and laptop computers to gain untethered access to email, the Internet and wireless data applications anywhere throughout the university environment. On-campus users with 802.11b WLAN cards will be able to access the Internet wirelessly at no cost.

### Only Converged Wireless Solution Available Today

The RadioFrame System is the only indoor wireless system configured to centrally-manage wireless standards uniformly as a platform. This new approach enables remote control of network elements, one-button control of hundreds of access points, and lower administrative costs.

The open network architecture allows the system to be configured to increase capacity and to add new, multiple wireless standards to the existing RadioFrame installation with "plug and play" ease, by simply adding more RadioBlade™ transceivers.

Central to the deployment of the RadioFrame® System are RadioFrame Units (RFUs), high capacity 'super access bays' which are mounted at various locations within a building. Each RFU is about the size of an exit sign and can contain up to seven, low-power RadioBlade transceivers, which communicate with a full range of mobile devices.



A RadioFrame Unit housing RadioBlade transceivers for Nextel and WLAN services

Each RFU connects to various chassis units, discretely placed in telco closets, which collect, process and redirect traffic to the university's LAN or to the Nextel outdoor cellular network.

The RadioFrame solution supports Wi-Fi security standards plus incremental measures such as 802.1x with RADIUS, PEAP, EAP-TLS, VPN and MAC authentication.

### System Highlights at John Carroll University

- Campus-wide, indoor coverage of all 29 buildings, plus exterior courtyards
- Deployment in two phases to include all halls, auditoriums and student residences
- Over 200 WLAN RadioFrame Access Points for 802.11b will be deployed
- Deployed wireless protocols: Motorola iDEN for Nextel cellular services, 802.11b

The Nextel / RadioFrame solution is ideal for universities, government and enterprises like IBM seeking a future-proof, wireless communications platform. More information is available from your Nextel representative or at the website [www.radioframenetworks.com](http://www.radioframenetworks.com).

