



John Jay College of Criminal Justice

John Jay College of Criminal Justice of The City University of New York is a liberal arts college dedicated to education, research and service in the fields of criminal justice, fire science and related areas of public safety and public service. The college has seen explosive growth over the last several years and is now home to more than 15,000 students from more than 135 nations. Recently, the college added a new building that houses 56 state-of-the-art classrooms, new wireless cyber lounges and cutting edge science facilities.



The College's campus network was made up of thousands of wired ports and a campus-wide wireless network across four buildings. Applications including VoIP technologies, multimedia, security cameras, and backups comprised most of the traffic running over the network. Additionally, an increased reliance on technologies for off-site classroom instruction, such as video conferencing, and other information sharing applications had begun to affect network performance. An upgrade of the network's infrastructure was necessary to keep up with bandwidth demands and the need for a highly reliable network.



Praveen Panchal, CIO at John Jay College wanted to ensure that the network backbone could meet the College's capacity needs at an affordable cost. Several options were considered, including leased fiber services, but the construction costs and monthly recurring charges were too expensive to justify.

The IT department determined that BridgeWave's license-free 60 GHz wireless links could provide both optimal network performance and the capacity needed to meet its needs. Once installed, the 60 GHz links have transported a variety of services with minimal latency, delivering carrier-grade network performance at a fraction of the cost of leasing Metro Area Ethernet service. Complete ROI was achieved in just a few months. Over time, the system has saved the College over \$500,000 compared to equivalent leased-fiber solutions.

"Essentially, we get GigE connectivity without breaking the budget and an 'install-n-forget' solution for data and voice connectivity that has been reliable as the fiber connection between our buildings over several years."

- Praveen Panchal
Chief Information Officer
John Jay College, IT Department

CHALLENGES:

- Locate a reliable wireless fiber alternative, as construction costs and recurring monthly charges for leased fiber were deemed too costly
- Meet high bandwidth requirements to transmit a variety of technologies

BRIDGEWAVE SOLUTION:

- BridgeWave GE60 wireless links

BENEFITS:

- Fiber-equivalent, future-proof connectivity for any network application
- ROI achieved in months; saving over \$500,000 compared to leased fiber service

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