



Comba

SEAMLESS CAMPUS CONNECTIVITY

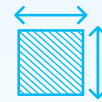
ComFlex Delivers Reliable Wireless Coverage Across a Large Multi-Building University Campus

BACKGROUND

A world-renowned university with an expansive multi-site campus faced ongoing cellular coverage challenges across several remote facilities. Due to the segmented campus layout and complex building environments, maintaining consistent indoor wireless connectivity was difficult.

To improve communications for students, faculty, visitors, and public safety personnel, the university launched a project to enhance reliable cellular coverage across nine buildings totaling approximately 800,000 square feet.

Comba Telecom, together with K&M Systems, deployed the ComFlex solution to provide scalable, high-performance wireless coverage across the campus.



~800,000 sq ft
coverage



9
campus buildings



Indoor & Remote
campus facilities



ComFlex
solution

CHALLENGES

! Complex campus RF environment

Large buildings, segmented facilities, and remote campus locations created inconsistent indoor cellular coverage.

! Scalability for future demand

The solution needed to support growing mobile traffic and evolving 4G/5G requirements without major infrastructure changes.

! Reliable communications requirements

The university required dependable connectivity to support students, faculty, visitors, and public safety operations.

THE SOLUTION

Comba deployed ComFlex to deliver reliable and scalable indoor cellular coverage across the university campus.

The solution supports both 4G and 5G technologies while enabling flexible deployment across challenging building environments. Its modular architecture simplified installation across remote campus facilities and allowed seamless integration with existing infrastructure.

In partnership with K&M Systems, the deployment enhanced wireless coverage reliability while supporting future network expansion and operational flexibility.



BENEFITS

✓ Enhanced campus-wide coverage

ComFlex improved indoor cellular coverage across multiple university buildings and remote campus locations.

✓ Simplified and cost-efficient deployment

ComFlex simplified deployment across segmented campus facilities while reducing infrastructure and operational complexity.

✓ Scalable 4G/5G readiness

The platform supports evolving wireless demands with scalable architecture for future capacity expansion.

✓ Reliable operational performance

Remote monitoring capabilities support proactive maintenance and help ensure consistent system performance.



ComFlex is one of the best products I have ever worked with. The price is attractive. The bandwidth is impressive covering from 700 to C-Band. ComFlex is very simple to install with "daisy chain" method of deployment of radios - avoiding lots of IDF closets and home runs. Integration is lightning fast and the Master Unit easily uses signal sources with POI cards or has BDA cards. The tech support is outstanding!

— Mark Majernik, VP of Engineering at K&M Systems



CONCLUSION

By deploying ComFlex, the university significantly improved wireless connectivity across its remote campus facilities while establishing a scalable foundation for future network growth.

The project demonstrates how flexible active DAS solutions can deliver reliable indoor coverage in complex higher education environments.

Enabling Communication to Connect People.

Visit our website or contact our representative for more information: www.comba-telecom.com

