



How the City of Irving's Parks Became Wi-Fi Powerhouses

Customer Overview

The City of Irving, Texas, a thriving municipality within the Dallas-Fort Worth metroplex, has a vision for community engagement that includes accessible digital services for its residents and visitors. With over a dozen public parks spread across its jurisdiction, the City recognized a growing demand for reliable wireless connectivity to support recreational use, city operations, and digital equity initiatives.

To meet this demand, the city partnered with Solid IT Networks, a leading IT solutions integrator, known for its high-touch service model and technical expertise in network design and deployment. Solid IT, in collaboration with Cambium Networks, delivered a robust and scalable Wi-Fi solution that now serves 13 parks across the city.

Business Challenge

Before the upgrade, the City of Irving faced significant limitations in providing internet access at its parks. Public Wi-Fi, if available at all, was inconsistent, unreliable, and difficult to maintain across geographically distributed locations. The city needed a wireless infrastructure that was:





We did our homework, and Cambium came out on top. Working directly with the manufacturer and a responsive integrator like Solid IT made the whole process smooth—even when we hit the occasional bump.”

- John Chaney, IT Communications Manager, City of Irving

- Capable of supporting high-density usage in outdoor environments
- Easy to manage and scale
- Secure and compliant with public sector standards
- Cost-effective, without compromising on performance

As John Chaney, IT Communications Manager at the City of Irving explained, “The big goal was to provide Wi-Fi capability at a number of our parks.” But the solution had to be more than just functional—it needed to be strategic and sustainable long-term.

Technology Solution

After thorough research and technology evaluation, the city standardized on Cambium Networks’ wireless infrastructure for the park Wi-Fi initiative. The project was designed and deployed by Solid IT Networks, with a focus on scalability, reliability, and compliance with public procurement rules.

Key Cambium Networks Products Deployed

- **XV2-2T0 Outdoor Wi-Fi Access Points** – designed for long-range connectivity, capable of supporting client connections up to 1 kilometer away in open park environments. This long-range capability allowed the city to reduce the number of access points and backhaul links required across the 13 parks.
- **cnWave 60 GHz Wireless Backhaul** – delivering gigabit-class speeds across line-of-sight paths, enabling high-performance backhaul without trenching fiber.
- **cnMaestro™ X Cloud-Based Network Management** – providing single-pane-of-glass visibility across Wi-Fi and backhaul infrastructure.
- **cnMatrix™ Enterprise-Grade Switches** – used for local edge switching at each park site, cnMatrix provided secure VLAN segmentation, automated device profiling, and integration with cnMaestro X for simplified deployment and lifecycle management.

cnMaestro™ X Cloud-Based Network Management – providing single-pane-of-glass visibility across Wi-Fi and backhaul infrastructure. This full Cambium stack was orchestrated through the ONE Network platform, giving the city centralized control over all network components. John Chaney emphasized the importance of doing the homework: “We looked at the technology, we looked at the comparisons. Once you do your homework, you standardize and then work directly with the manufacturer to put together your project.” The ability to manage the entire infrastructure via cnMaestro X proved to be a critical operational advantage for the city’s IT team.





Field Results

The outcome was a complete wireless coverage solution for 13 City of Irving parks. Each site now offers reliable, high-speed Wi-Fi access for public use and city staff operations. The Cambium-Solid IT solution has delivered:

- Consistent coverage in high-traffic outdoor environments
- Reduced equipment count thanks to long-range APs like the XV2-2T0
- Gigabit-speed wireless backhaul via cnWave, minimizing need for fiber
- Streamlined centralized management via cnMaestro

According to Chaney, the success of the project was rooted in clear standards, certified partners, and constant communication: “Weekly updates in project management—that is so key for a successful project.”

Business Value

The City of Irving’s investment in wireless infrastructure, driven by Cambium Networks’ ONE Network platform and Solid IT’s integration expertise, has transformed public spaces into connected community hubs. The project not only improved public Wi-Fi availability but also laid the foundation for future smart city applications.

Key Benefits Realized:

- Reduced operational complexity through full-stack integration and single-pane-of-glass management with cnMaestro X
- Lower total cost of ownership with fewer APs needed due to long-range XV2-2T0 coverage
- Flexible gigabit backhaul via cnWave eliminates fiber trenching in parks
- Improved user satisfaction with reliable access
- Increased project control and visibility for City IT



Standardizing on

Cambium and using an integrator with flexibility and technical chops—that’s what made the difference. It worked for us, and I’d recommend others do the same.”

- John Chaney, IT Communications Manager, City of Irving



About Cambium Networks

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks’ wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We make connectivity that just works.