

# Innovative Architectural Firm Chooses Xirrus to Design the Ultimate 802.11n Wireless Architecture



As the largest architectural firm in the Rocky Mountain Region and among the 50 largest architectural firms in the United States, OZ Architecture is committed to outstanding design and excellence in client services.

#### Infrastructure requirements included:

- Replace Ethernet workgroup switches
- Improve office esthetics
- Bandwidth to support over 50 power users transferring large CAD files
- Wireless support of voice and video

#### The Xirrus solution provided:

- Improved device and user density and throughput with 4 to 16 radios per Array
- Modular platform for simplified capacity expansion and field upgrades
- Easier installation and network integration with on-board switch, firewall and management
- Increased RF security with a dedicated threat sensor in each Array

#### Benefits:

- 75% fewer Wi-Fi devices supplying ample bandwidth for CAD file transfer
- Esthetically pleasing design
- Fully upgradeable
- State-of-the-art security features
- Comprehensive support for all Xirrus products

Since 1964, OZ Architecture has provided fine architectural design to local, national and international clients and strives to design places of life with great thought toward tomorrow's users.

This same commitment holds true at their corporate offices, where they designed and rolled out an aesthetically pleasing, energy saving, and flexible wireless network for their staff and clients. Using Xirrus high performance wireless Arrays, OZ Architecture was able to cover their facility with far fewer devices than they could have using a traditional access point system. This choice saved them time and money while also making the network much easier to manage.

#### The Xirrus Solution: Fewer Devices Yet More Power

OZ Architecture wanted to go wireless without having to install a sea of bug-like 802.11n access points. After evaluating several traditional access points from various wireless vendors, the IT team at OZ decided to deploy the fully integrated Xirrus 802.11abg+n wireless Arrays that could readily blend into their environment, while delivering four times more coverage, bandwidth, and throughput than competitive offerings.

The Xirrus wireless Array is the only fully distributed dense radio wireless architecture available in the industry today. Unlike traditional access points, the Array makes it possible to replace wired connections, yet offers the same quality of service and transfer speeds as the wired network, including the ability to transfer large CAD files from anywhere in an office.

“With their high performance wireless Arrays, Xirrus has removed any reservations that wireless will replace switched Ethernet as the primary network connection,” said Brian Haffey, associate principal at OZ Architecture. “From my perspective, switched Ethernet manufacturers should be concerned as there is now a wireless alternative to the work-group switch with Xirrus 802.11n technology – especially in these times when the operative mindset is to do more with less.”

“There is only one Wi-Fi device that can deliver unmatched performance on a per access point and system-wide basis – the wireless Array gets more radios in the air than any other solution, making it possible to remain unplugged,” concluded Haffey.

### The Xirrus Advantage

With the explosion of smartphones and tablets, mobility has become ubiquitous. People expect to connect wirelessly. Organizations depend on high-bandwidth to send and receive voice, video and data, from any device to any one. And no one delivers better than Xirrus. Our array-based solutions are unique. They draw from cellular tower design principles to provide wired-like reliability, increased user density and capacity plus superior security. They perform under the most demanding conditions and have lower infrastructure requirements. When integrated with business and IT objectives, they help you do more than ever before.

At Xirrus, we apply the “best practices” of wired networking to wireless infrastructures by distributing the intelligence to the edge and outfitting the Array with dense multi-state radios in the same manner as a wired switch. That’s how Xirrus delivers the best performing, most scalable wireless solutions in the industry. It’s a strategic IT infrastructure advantage that fuels organizations. Because Xirrus does wireless networks right.



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“Our firm will be even more successful now that we can work alongside our customers wirelessly throughout our office with the same performance as a wired network.”

BRIAN HAFHEY,  
associate principal at  
OZ Architecture



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