

## Paris Brothers Deploys Super WiFi Technology to Address Challenging Underground Wireless Access requirements

Kansas City-based Paris Brothers provides specialized logistics services across a wide spectrum of business sectors in addition to their specialty food manufacturing and distribution business. This unique company was established almost 40 years ago and operates out of 1.5 million square feet of underground industrial space established in an old limestone mine called The SubTropolis.

"This underground facility offers a number of significant advantages to include a low cost for storage and office space build-out." Vice President and Co-founder Joe Paris shared. "However, it also introduces significant challenges for wireless technology given rows of 25' x 25' foot stone pillars and the resulting line-of-sight challenges they present not to mention our chillers, large electric motors and temperatures as low as -5° Fahrenheit."



Paris Brothers operates 1.5 million sq ft of underground food production, storage and specialty logistics space in the Hunt Midwest SubTropolis

**The solution:** The deployment includes a mix of Altai Technologies' CX200 and C2s dual-band Super WiFi access points to cover the 1.5 million square foot facility. The CX200 units were used for the deep freezer warehouse leveraging this product's externally mounted antennas allowing the radios to be mounted outside of the freezer with only the antennas mounted inside. Altai's C2s dual-band APs were then deployed throughout the balance of Paris Brothers' facilities.



Co-founders Salvatore and Joe Paris established Paris Brothers in 1983

Adam Wasserman, Paris Brothers' Director of IT emphasized: "WiFi connectivity is mission critical to our operations whereby coverage lapses can have a direct impact on our bottom line. The extreme environmental conditions we deal with include significant physical and electrical interference as well as sustained sub-zero temperatures in some areas. This has resulted in a string of equipment failures with other wifi gear and spotty coverage. Super WiFi's long range, advanced interference mitigation, and industrial grade design have proven to be a winning combination." Wasserman added, "I'll admit I was not familiar with Super WiFi technology and was skeptical about its ability to overcome these issues until I saw it for myself."



**C2s Super Wifi AP**  
Dual-Band  
Integrated Antennas  
2x2 802.11ac

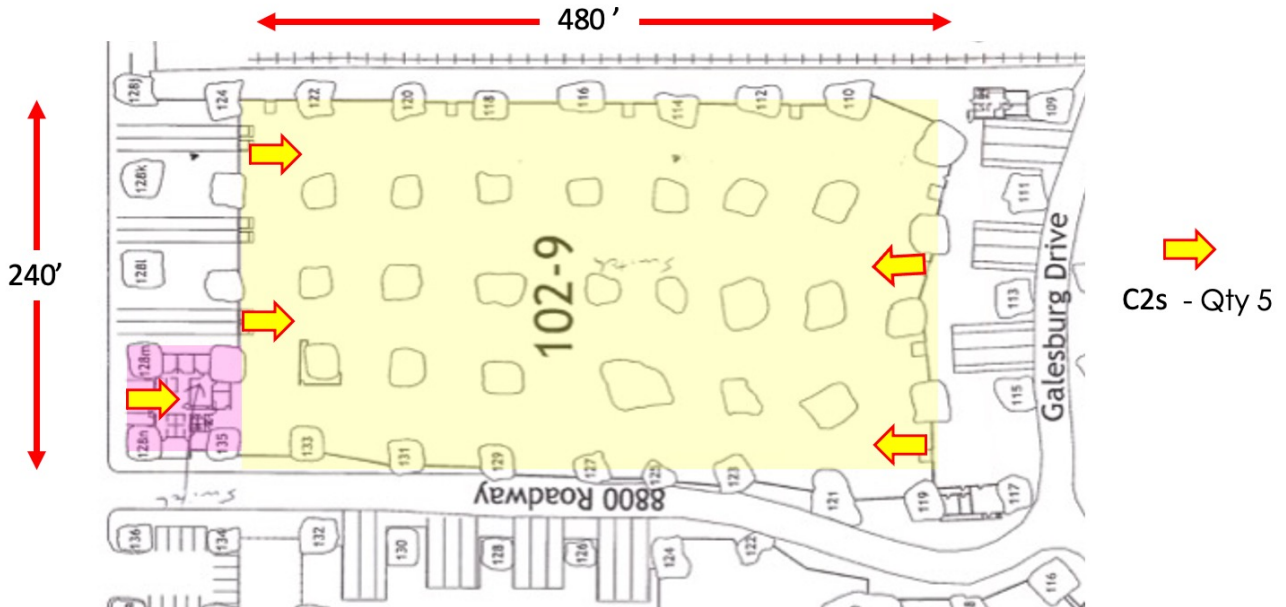


**CX200 Super Wifi AP**  
Dual-Band  
External Antenna  
2x2 802.11ac  
MU-MIMO



The SubTropolis is one of the most unique industrial parks in the world covering over 6.5 million sq ft of Industrial space

The following diagram depicts how only five (5) C2s Super WiFi dual-band Access Points were required to cover one of Paris Brothers' large warehouses measuring 240' x 480'. Super WiFi's ability to blanket large areas with very few APs is a key differentiator for Super WiFi technology translating into faster, lower cost deployments and simplified network management compared with standard wifi APs.



## About Krystp Wireless

Krystp Wireless is Altai Technologies' Master Distributor of Super WiFi technology focused on building scaled distribution for Altai's product line across the US and Canada. Krystp has offices in Kansas City and Toronto and a growing network of reseller partners across North America.

## About Altai Technologies' Super Wifi Product Line

Super WiFi has been deployed extensively around the world beginning in 2007 to address the most challenging wireless access applications where traditional Wifi vendors' products fail to deliver the desired coverage, or prove too costly due to the high number of required access points.

Primary examples where Super WiFi regularly differentiates itself from other Wifi products include expansive outdoor area coverage, challenging line of sight situations, and RF interference laden locales such as heavy manufacturing facilities.

Altai's extensive product line supports connectivity for any wifi enabled device and includes large macro base stations capable of delivering coverage for up to a mile in addition to host of other micro and pico cell access points repeaters and wireless bridge products.

Contact Krystp Wireless for Super Wifi solution design and pricing support:

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