

## Another Indoor Super WiFi Technology Deployment - The Historic Midland Theater in Kansas City

Located in the popular Power and Light downtown entertainment district in Kansas City, The Midland Theatre opened in 1927 boasting a 100-year history of bringing music, movies, plays, comedy, dance, Broadway, children's shows, and live podcast recordings to metro Kansas City. The Midland features flexible seating configurations with live-show capacity supporting anywhere from 1300-3000 patrons.

When seeking a wireless connectivity solution to match the Midland's newly updated, state-of-the-art sound, lighting and visitor amenities, it turned to Vall Technologies – a trusted partner of the venue's management group to deliver.

Vall Technologies was asked to provide wireless connectivity for this historic venue in March of 2022 for both staff and visitors as part of The Midland's initiative to insure a best-in-class patron experience.

Vall Technologies, a Kryst Wireless reseller and managed services provider chose to deploy Altai Technologies C2s dual-band Super WiFi pico cell units at the Midland.



**The Historic Midland Theater in Downtown Kansas City uses Super WiFi for patron and staff connectivity**

### C2s

2.4 & 5GHz  
Dual-Band Pico  
Cell Access Point  
w/ Integrated  
Antennas



Max. LOS Access	600 m (2.4 GHz) 700 m (5 GHz)
Max. LOS CPE	3 km to A8-Ein (ac) (2.4 GHz) 2 km to A3-Ei (5 GHz)
Max. LOS Bridge	7 km (5 GHz)
Max. Data Rate	300 + 867 Mbps

### Altai C2s Dual-band 2x2 802.11ac WiFi AP/Bridge

The Altai C2s Dual-band 2x2 WiFi AP/Bridge is specifically designed to offer carrier grade Wi-Fi performance at the market's most affordable price point.

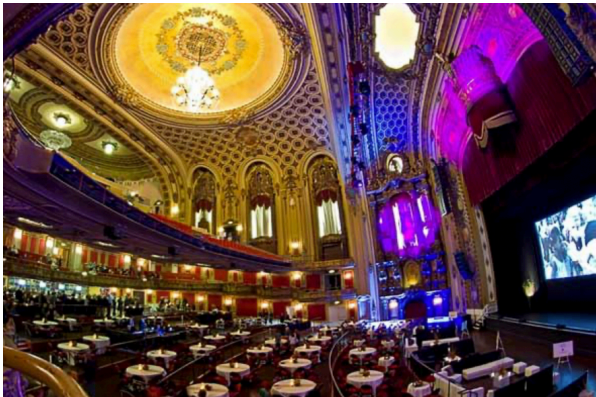
*Ron Valdez, President of Vall Technologies stated "The C2s has a sleek, compact profile allowing us to deploy in a fraction of the time compared with other wifi products, yet doesn't sacrifice the coverage and capacity needed to serve the wide variety of events held at this unique venue throughout the year."*

While always dependent on line of sight specifics, the C2s is able to deliver expansive coverage range of 600-700 meters. It can also be configured as a wireless bridge for distances of up to 7 km, or simply used as a signal repeater for locations needing coverage, but lacking network backhaul.

And, while the Midland Theater deployment is for indoor coverage, the C2s is a hardened device able to operate outdoors in extreme temperatures.

Altai C2s combines several technology breakthroughs to deliver an unparalleled Wi-Fi experience supporting robust connectivity

- Superior RF and filter design, in conjunction with Altai's interference mitigation algorithm, offers optimal capacity and interference rejection
- Much higher TX power over competitions at the highest data rates allows up to 50% more coverage and capacity
- Altai's smart band steering and load balancing technologies allow Altai C2s to effectively utilize both 2.4GHz and 5GHz spectrums for supporting a large number of mobile users running bandwidth hungry applications



**After a multi-million dollar refresh, The Midland Theater stands out as a showcase venue in downtown Kansas City**

## About Krystp Wireless

Krystp Wireless is Altai Technologies' Master Distributor for the US and Canada focused on building scaled distribution for Altai's product line with offices in Kansas City and Toronto.

## 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 applications, challenging line of sight environments, and RF interference laden locales such as manufacturing facilities other heavy industrial settings.

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

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

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