



AccelTex Solutions Deploys Wi-Fi Products for Global Retail Corporation

February 2021

CASE SUMMARY



Client

Global Retail Corporation

Challenge

Increase the efficiency of product inventory processes with established Wi-Fi networks

Product Solutions

2.4/5 GHz 4/6 dBi
6-Element Omni Antenna
ATS-OO-245-46-6RPSP-36



70V 5KA 1GBPS Ethernet
Surge Suppressor
ATS-SS-70V-5KA-1GBPS-AT



30 Watt 10/100/1000 PoE
Injector ATS-30W-POE-INJ



2.4/5 GHz 3/7 dBi
White Omni Antenna
ATS-OO-245-37-1NP-IC-W



Overview

A retail corporation wanted to enhance their Wi-Fi and wireless network infrastructures at their retail store locations. The purpose was to improve how employees locate product in the warehouse and take inventory. They also wanted to make the check-in process for truck drivers arriving at the stores more efficient and less time-consuming.

The Problem

- Logistical challenges such as mounting constraints for the APs and antennas
- Challenging indoor and outdoor environments such as freezer rooms, produce areas and loading docks at the back of the stores
- Due to mounting the APs inside of the store and/or outside of the freezers, they required a custom-made antenna with longer cables in order to reach the APs properly

Our Solution

AccelTex Solutions was contacted by their partner, Mist Systems, to supply Wi-Fi network omni-directional antennas and power protection accessories. They built a custom antenna with extended cables and improved the electrical performance so the client would not lose coverage due to cable loss. All of the AccelTex Solutions products could be integrated seamlessly into the existing network causing little to no disruption to existing service.

The Results

- Low overall solution costs: No additional coaxial cable extension assemblies were required since it was built into the antenna
- Reduced the installation complexity and cost, making it easier to deploy the solution
- No additional inventory and management of coaxial extension cables were necessary, further reducing costs and complexity

The store locations with the installed solutions saw decreased times for product inventory and processing. They also improved the overall efficiency of incoming shipments by allowing truck drivers to connect to the stores' network as they parked in the loading dock area. The retail corporation is planning to expand the solution to all of its U.S. based retail store locations.



Cost Savings



Increased Productivity



Satisfied Customers and Employees

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