



## Overview

Esenyurt is a district within the Istanbul Province and a part of the metropolitan municipality of Istanbul. As the population of greater Istanbul experiences significant growth, Esenyurt is an extremely desirable residential area offering a multitude of new multi-family properties at an affordable price point compared with housing options in Istanbul's city center. Because of its attractive cost structure and vibrant lifestyle, the district is now one of the most populated areas in Istanbul. As is the case with any metropolitan area today, residences expect ready access to quality Wi-Fi connectivity and Esenyurt is no exception.

For this deployment project, Altai Technologies' Super WiFi product line was installed at a number of large public facilities across Esenyurt to include a total of five cultural centers and libraries. Altai's high-performance, dual band indoor A3c access point was selected for these venues based upon its exceptional coverage and RF performance, flexible mounting options and pleasing aesthetic design.

### Customer Name:

Esenyurt Municipality

### Deployment Location:

Istanbul, Turkey

### Application:

Public Wi-Fi network

### Product used:

A3c

### Result:

A single Altai A3c access point was deployed in each of the five public venues consisting of libraries and cultural centers.

The A3c WiFi Access Point provides the most cost effective and versatile solution for supporting wide area, indoor WiFi coverage with high data capacity and simultaneous data sessions.

Max LOS Access 2.4Ghz	500 Meters
Max LOS Access 5Ghz	400 Meters
Max Data Rate	450 + 1300 Mbs

## The Challenge

- Large area coverage
- Tight Budget constraints
- Requirement to support up to 200 simultaneous user sessions at each site



## The Solution

One A3c Dual Band Access Point was deployed in each of the public facilities easily covering the space where visitors and employees require network access. Altai's A3c offers a design that is pleasing to the eye with flexible mounting options making them blend seamlessly with the surrounding décor.

Altai Technologies' patented Smart Antenna, AirFi Throughput Optimization and Interference Mitigation technologies deliver unparalleled RF performance, expansive coverage and data capacity to support up to 200 simultaneous user sessions.

**A3c  
Dual Band Indoor  
Access Point**



## Altai A3c for Dual-band Micro Coverage

The A3c has both a 2.4 GHz (3x3:3 802.11b/g/n) radio and a high capacity 5 GHz (3x3:3 802.11a/n/ac) radio, which can operate at the same time for dual-band, dual-concurrent access coverage. The dual-band operation provides high capacity of up to 1.75 Gbps and delivers superior performance when utilizing the less congested 5GHz frequency band.



## About Altai

Altai Technologies is a leading supplier of carrier-grade Wi-Fi products and technologies with a distribution network reaching 100 countries. Altai's Super WiFi is the leading solution for the heavy industrial vertical with deployments in mining, aviation, manufacturing, warehousing, power generation, oil & gas and over 200 terminal ports and airports globally.

The Altai Super WiFi Solution includes a complete portfolio of indoor and outdoor products for carriers, WISPs, and enterprises supporting public wireless access, WLAN solutions, backhaul and mobile data off load.

Altai's product line is designed from the ground up to deliver industrial-grade Wi-Fi networks with unparalleled performance. Altai's patented smart antenna technology, interference mitigation and advanced throughput optimization software, along with its cloud-based management platform is what sets it apart with unparalleled range and ability to address the most challenging environments

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