



Overview

As part of the International IT Fest 2015, the Wine & Food Carnival ("WFC") was held from Apr 9 to Apr 13 at the New Central Harbourfront of Hong Kong.

Supported by the Office of the Government Chief Information Office, the WFC was co-located with the Hong Kong Digital Lifestyle Carnival so that the general public could experience the latest digital products, taste wine and sample food, all in one place.

A wide variety of on-site programs were also arranged for visitors such as special discount offers, wine tasting, lucky draws, games and music performances.

The WFC was located in the CBD of Central, Admiralty and Wanchai, easily accessible by public transport. With over 150 exhibitors, this annual wine & food event attracted many local as well as overseas visitors.

Customer Name:

Tech & Food Development Association

Deployment Location:

New Central Harbourfront, Hong Kong

Application:

Free WiFi during five-day event

Products used:

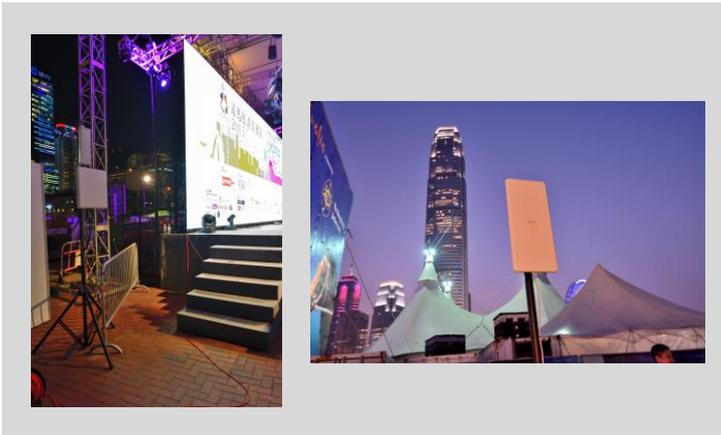
Altai A8-Ein and A2-Ei Super WiFi series

Result:

The overall performance of Altai Super WiFi is very good. It is able to support large number of simultaneously users

The Challenge

- The WiFi network was required to cope with a large number of simultaneous users
- Different zones had different booth setups and requirements
- Limited locations for backhaul and installation points
- Very limited time for site survey and equipment installation



The Solution

Two A8-Ein and fifteen A2-Ei were used for 2.4 and 5 GHz dual-band access coverage, providing a total capacity of 2,000 concurrent users based on customer requirements. Since there were only a few locations available for installation, both A8-Ein and A2-Ei were mounted on tripods for rapidly setup and dismantling.

Altai's patented smart antenna technology and proprietary signal processing mechanism such as AirFi were utilized to combat interference and contention.

In such a challenging and dynamic environment, all APs were connected to switches via Ethernet cables. RF planning was implemented via channel assignment and transmit power adjustment.

Two SC1600 service controllers were used as gateway devices to enforce bandwidth control. Each user was limited to 1Mbps bandwidth.

The Result

The wireless broadband network operated smoothly and all APs worked flawlessly. An average of over 300 concurrent users during the event was recorded.

About Altai

Altai Technologies is a high technology company focused on the design, development and marketing of carrier-grade, innovative wireless broadband solutions.

Altai has developed its patented long range WiFi technology that can dramatically improve the WiFi signal coverage while minimizing interference from other signals broadcasting within the 2.4 GHz unlicensed frequency spectrum.

Altai's products are currently deployed worldwide in every major industry including carriers and service providers, logistic, education, municipal government, hospitality, manufacturing and more.

The Altai Super WiFi Solution is offering a complete wireless solution comprising of base station (A8-Ein/A8in/A8n), access point (A2/A2e/A2-Ei), CPE (C1n/C1xn/C1an/U1), wireless management, service and access controllers (AWMS/SC/AC).

Altai's flagship product, the A8-Ein Super WiFi base station, is being deployed with various wireless broadband systems and private network applications as well as with various 3G, LTE, CDMA and WiMax mobile systems globally for 3G/4G data offloading.

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