



Company Update

Altai Super WiFi Unwires Wine & Food Carnival 2015

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 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. Altai Technologies was invited by the organizer to provide WiFi coverage for the carnival.



Installed Altai A2-Ei in the prime location to provide WiFi coverage

To cope with a large number of simultaneous users, two A8-Ein and fifteen A2-Ei were used for 2.4 and 5 GHz dual-band coverage to provide a total of 2,000 concurrent users. Since there were only a few locations available for installation, both A8-Ein and A2-Ei were mounted on tripods for rapid 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.

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

Altai A8n Performance Beats Famous Brand in a Trial Test

Altai was recently invited by a telecom operator in Asia to conduct a trial at one of its sites near the ferris wheel and a comparison was done to assess the performance between Altai's Super WiFi solution and their existing AP solution.



One A8n was installed at the ground level facing the wheel

The major challenges of this deployment were the problems of weak WiFi signals, co-channel & adjacent channel interference as well as WiFi roaming issues. In order to overcome these problems, one Altai A8n was installed at the ground level facing the wheel with all antennas tilting upward so that the signal strength could be significantly improved.

The test results showed that the throughput, signal strength and session continuity metrics of the Altai A8n were superior to the existing APs. Furthermore, only one A8n was installed for the trial to provide full WiFi coverage while the existing solution required five APs. In terms of performance and cost efficiency, Altai's A8n performed significantly better than the existing WiFi solution.

Low Cost Altai C1an Provides WiFi Coverage Inside Elevator Cabin

Altai has recently conducted a PoC for a roped elevator of one of the tallest commercial buildings in Hong Kong. Operating in the 5GHz band, the test results with the Altai C1an's showed that the strong uplink and downlink connection provided sufficient bandwidth (>50 Mbps) for their HD CCTV camera as well as HD video streaming to an in cabin display.



Elevator shaft is a challenging environment for wireless network

Without complicated wiring, installation and network configurations, the Altai C1an can be easily installed on the false ceiling of the elevator cabin. It can replace the existing Ethernet system to provide strong WiFi coverage (average throughput over 50Mbps) throughout the elevator shaft of this high-rise building.

The Altai C1an Super WiFi Solution is a low cost, and hassle-free wireless solution that is ideal for elevator operators to manage and maintain their quality services with significantly lower cost.

Company Event

Altai Speaks @ Technology Conferences

Altai was recently invited by different channel partners to speak at their local conferences.

In Hong Kong, Ken Leung, our Senior Director of Business Development was invited to speak at the Welfare Electronic Component annual conference held on May 15. He introduced AltaiCare, a newly-developed cloud-based network management platform. AltaiCare provides a simple, secure, and cost-effective way for WISPs and enterprises to manage their WiFi networks.



Ken Introduced AltaiCare in the conference

Furthermore, Ben Chan, our Senior Director of International Sales was also invited by Infracomms to give a presentation at its Wireless Infrastructure Technology Conference ("WITC") held in Singapore on Jun 2. Ben shared an overview on Altai's Super WiFi Solution as well as its deployment experience. To give visitors a better understanding on Altai's products, the latest Super WiFi products were showcased in the conferences and the feedbacks from visitors on these products were very positive.



Ben was one of the WITC speakers

Altai @ Carrier WiFi and CommunicAsia in Singapore

Altai's participation at the Carrier WiFi and CommunicAsia in Singapore was a great success.

Speaking at the Carrier WiFi, Altai shared its 3G/4G data offload deployment experience and the operators showed strong interest in the data offload solution. Not only exhibiting at CommunicAsia, Altai was also invited to speak in one of the speaking slots to give an overview on its Super WiFi products and newly-developed cloud-based management system. The overall responses was positive and Altai will continue its effort in promoting the latest Super WiFi technology to industry players and potential partners all over the world via different communication mediums.



Altai @ Carrier WiFi



Altai @ CommunicAsia

