



Company Update

Altai Introduces New Indoor Hotspot Solution & Cloud-Based/On-Premises Cloud-Based Management Platform

Altai introduced the A2c dual-band 2x2 802.11ac access point - its latest indoor hotspot solution and on-premises cloud-based management platform during GITEX 2016.

The Altai A2c is designed to meet the indoor wireless connectivity requirements for enterprise markets such as offices, schools, retail stores, hotspot services providers etc. The Altai A2c offers several powerful features:

- Altai's interference mitigation algorithm offers optimal capacity and interference rejection
- AirFi which enhances the capacity of the A2c by optimizing client's throughput based on their signal strength and traffic
- Altai's smart band steering and load balancing technologies allow the A2c to effectively utilize both the 2.4GHz and 5GHz spectrums for supporting a large number of bandwidth hungry applications

The economical Altai A2c, together with the controller-less cloud-based AltaiCare and its pay-as-you-grow subscription model supports a wide range of applications such as social login, advertisement engine, detailed login statistics, hotspot authentication, guest access, firewall, and intrusion detection.



The new Altai hotspot solution allows enterprises to set up their Wi-Fi networks easily

The new Altai hotspot solution allows enterprises to manage their Wi-Fi networks and collect visitor information easily and economically for big data analytics. Enterprises can also opt for cloud-based or on-premises AltaiCare versions, depending on their business requirements.

Altai Super WiFi Enables Parking Management Solution

Hotels are always committed to providing their guests with high quality services. The Four Points by Sheraton in Puchong, Malaysia always strives to enhance total customer satisfaction and one of its projects is to improve the parking ticket verification system.



The ticketing machine is connected with Altai C1n for wireless connectivity

The hotel guests normally need to verify their parking tickets at the reception counter to enjoy free parking before they drive away from the car park. However, the queue time is very long at the counter during peak hours (such as check-in/out time) or whenever there is an event held in the hotel. Therefore, the hotel appointed Aglotel Wireless Solutions ("Aglotel") to design and build a total solution to shorten the parking ticket verification time.

Since the hotel lobby is lacking Ethernet ports, in order to minimize the wiring and renovation work Aglotel decided to deploy a total wireless solution. There are four Altai C1n's used to interconnect the wireless parking ticket verification system. One C1n in AP mode is installed on the top of main ticketing machine at the hotel to connect with another two C1n's installed at the reception counter and the event floor. Owing to the size of the hotel lobby, an additional C1n is installed in the reception counter as a CPE to extend the Wi-Fi signal to provide full network coverage.

As the solution did not require complicated wiring nor renovation work, the installation was completed in only two days.

The main ticketing machine, hotel lobby, reception counter and event floor are now connected with a Altai Super WiFi network. Instead of queuing up at the reception counter, hotel guests can verify their parking tickets through any hotel staff via handheld verification terminals and then go direct to the car park. It has significantly enhanced the overall efficiency and improved the service quality of the hotel.

Wireless Network Enables Smart Manufacturing

With annual production volume over 3.4 million vehicles, an automotive joint-venture company in China wanted to upgrade its existing wireless broadband network to cope

with the ever increasing production volume. The company has assigned Beijing Nodes, Altai's distributor in China working with local system integrator for the project to design and build the new wireless network.

With mass amounts of real-time production data to transfer to the Control Room, the network reliability and redundancy are crucial. The production site is a very challenging environment to wireless network not only because of the size, but also the moving machine arms, trucks and metal racks can affect wireless signal propagation. In order to overcome all these difficulties, Beijing Nodes installed seven Altai A8-Ein base stations in different areas of the manufacturing plant.



Altai Super WiFi Base Station is able to withstand harsh environments

With patented smart antenna technologies, the Altai base station is able to maximize the signal strength and minimize the interference and packet errors, providing reliable wireless network connectivity. In such a complicated environment, the average signal strength is over -60dBm at 200m away from the base station. With the new wireless network, data can now be transferred from production line to server on real-time basis. The overall production efficiency and accuracy has significantly been improved.

Company Event

Altai @ AfricaCom

Altai participated in AfricaCom at Cape Town, South Africa on Nov 15-18. Altai hosted a dinner party on the second day of the show at The Village Idiot. Many customers and partners from different parts of Africa participated in the party where they mingled with each other and exchanged their experiences on the deployment of wireless solutions. It was a wonderful night meeting people and relaxing after a busy show day.



The Altai team and customers had a great time in the dinner party

Cash Donations to the Engineering Schools of Hong Kong's Universities

Being a home grown high technology company, it is always the commitment of Altai to nurture quality engineering students in Hong Kong. Altai has recently made cash donations to the Engineering School of The Chinese University of Hong Kong and The City University of Hong Kong. Fulfilling social responsibility is an indispensable part of Altai's continuous efforts to support the sustainable development of the community.



Altai team had attended The Chinese University of Hong Kong Engineering Faculty celebration banquet

Altai has also been sponsoring different charities such as One Child One Laptop ("OLPC") projects in Bhutan and Sichuan of China, Citywide Campus WiFi Initiative Pilot Scheme in Hong Kong etc to bridge the digital divide and enable the learning initiatives. Altai will continue to contribute to society and remain persistent in different charity projects.



Altai sponsored the foundation dinner held by The City University of Hong Kong

Upcoming Event

Mobile World Congress

Date: Feb 27 – Mar 2, 2017

Venue: Booth#1D42, Hall 1, Fira Gran Via, Barcelona, Spain

