



Overview

Altai has been participating the "Citywide Campus WiFi Initiative Pilot Scheme" in Hong Kong by providing both Super WiFi solutions and technical support to campuses for free. The Yan Chai Hospital Wong Wah San Secondary School ("YCHWWS") in Tseung Kwan of Hong Kong is the first school in this scheme to launch its free WiFi network.

The objective of this scheme is to promote mobile learning on campuses and encourage the local residents, especially the elderly, to enjoy free internet access.

The YCHWWS' free wireless network provides 100% indoor and outdoor coverage so that mobile learning can be implemented on campus, with teaching no longer bounded within the walls of the classroom.

The wireless network not only provides free internet access on the campus, but also extends the free services to the local community.

Under this scheme, more free campus WiFi services will be launched in 2015.

Customer Name:

N/A

Deployment Location:

Wong Wah San Secondary School,
Tseung Kwan O, Hong Kong

Application:

Free WiFi services to students for mobile learning on campus and extend the free internet access to the areas around the campus for the local community

Products used:

Altai A8-Ein and A8-Ei Super WiFi base stations

Result:

The Altai Super WiFi network covers the indoor & outdoor areas of campus as well as the nearby areas outside the school buildings to provide high speed, stable wireless connections

The Challenges

- The WiFi network was required to provide 100% indoor and outdoor coverage on campus
- Limited locations for backhaul and installation points
- Lack of in-house technical support



The Solution

One A8-Ein and seven A8-Ei were all mounted on poles at the rooftop of the campus buildings, providing 100% indoor and outdoor coverage. To ensure the security of the wireless network, all APs were connected to a gateway with firewall functionality. In such a dynamic environment, RF planning was implemented via channel assignment and transmit power adjustment.

The Altai Wireless Management System was also used in this deployment to allow the IT administrator to configure and manage the WiFi network easily from a single interface.

The Result

The WiFi network offers fast, reliable connections at data rates up to 300Mbps. The network not only provides free internet access on the campus, but also extends the free services to the local community. Students can enjoy unlimited access within the campus while the local residents can enjoy free internet access for 30 minutes per login session.

About Altai

Altai Technologies is a leading supplier of carrier-grade WiFi products and technologies.

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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