



Overview

Dali Old Town is a township-level division in Dali City, in the northwest of Yunnan province, China. Dali used to be a regional centre of commerce, being located at a crossroads of trade routes between Tibet, China, Burma, and Southeast Asia. Today, although not the centre of present Yunnan anymore, the area still assumes a significant role as the region's cultural and historical centre and attracts tourists from all over the world.

In order to boost the tourism for Dali Old Town, Tencent has been awarded by Yunnan Provincial Government to develop a platform named "One Mobile to Tour Yunnan(一部手机游云南)". With the app, a tourist can easily get access to plenty of tourist information and services, including scenic spots information checking, online drinks ordering and restrooms locating etc. To match up with the implementation of this initiative and encourage tourists to utilize the app at any time, Dali decided to deploy a number of WiFi networks to cover the popular tourist areas. Therefore, Altai Super WiFi has been selected, due to its long list of successful stories of city WiFi projects, to deploy a large-scale WiFi network to cover all main roads and tourist spots of the Xinhua Village (also known as "Capital of Silver") in Heqing County, a subordinate city of Dali and the village is famous of its silverware.

With the unique smart antenna technology, a single Altai bas station can cover a much larger area than any standard AP does, even in challenging outdoor environment. In the deployment, a total of 5 units of Altai's A8n have been used and they have realized a zero-down-time full coverage for the water town village. Now with Altai's WiFi network, travelers can enjoy the cultural atmosphere of the historical village in a carefree manner, by utilizing the tour app with the always-online WiFi provided by Altai.

Customer Name:

China Mobile

Deployment Location:

Heqing County 鹤庆县, Dali Old Town, Yunnan, China

Application:

Free WiFi network for tourists

Products used:

A8n

Result:

In the beautiful Xinhua Village of Dali Old Town, travelers can now enjoy the tour by simply connecting to the resourceful Yunnan tour app with Altai's reliable WiFi network. Altai's solution has also allowed Yunnan to collect useful data to further develop its tourism industry.

The Challenge

- Large area outdoor coverage with buildings and trees scattering among the area
- Limited sites for equipment installation and lack of infrastructure
- Large number of devices sharing the network in popular spots



The Solution

Five units of A8n, a member of Altai's flagship A8 Series, have been deployed in the project. A8n is equipped by Altai's smart antenna which allows it to cover a much larger area than any normal AP can cover. Therefore, though with only five of them deployed, the WiFi network is already able to provide a full coverage for all the main roads and tourist spots of the village.

The Result

Altai's solution allows tourists to fully utilize the functions of "One Mobile to Tour Yunnan", which has on the other hand, provided reliable support to Tencent and China Mobile to realize their strategy to use the app to collect tourism data via Tencent Cloud Internet of Things connection platform, IoT Hub, and aggregate the data to the tourism big data platform, and from thereon, Dali and even the province of Yunan can make use of the data to enhance the facilities of the tourist spots and further develop Yunnan's tourism industry in a long term.



About Altai

Altai Technologies is a leading supplier of carrier-grade Wi-Fi products and technologies with a distribution network reaching 100 countries. Altai Super WiFi is the leading solution for vertical industrial markets, covering over 200 terminal ports globally.

The Altai Super WiFi Solution includes a complete portfolio of indoor and outdoor products for carriers, WISPs, and enterprises to support a wide range of applications such as mobile data off load, public access, WLAN access, and backhaul.

Utilizing patented smart antenna technology, as well as a cloud-based management system called AltaiCare, the Altai Super WiFi Solution is designed from the ground up to deliver WiFi networks that have unprecedented performance, reliability, scalability, and manageability.

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