



Photo Source: Peppers Ruffles Lodge & Spa

Overview

Surrounded by rainforest and offering views of the Gold Coast, Peppers Ruffles Lodge & Spa ("Peppers Ruffles") is well-known for its high quality services and amazing views, as well as its prime location.

The retreat's internet service was previously using ADSL with limited coverage. The retreat property consists of two buildings separated by 250m, with no connectivity between them with retreat guests having limited or no internet access at all.

Being a 5-star retreat, Peppers Ruffles wanted to improve connectivity for staff plus connect the two buildings. The retreat also planned to provide guests and conference delegates with various options for WiFi connectivity, depending on their use of the property – whether day spa, short stay or long stay guests.

Powertec Telecommunications, the leading system integrator in the region who designed and built the whole network proposed Altai's Super WiFi solution to Pepper Ruffles. Altai Super WiFi was selected as it was able to provide coverage and penetration through the villas from outside. With the furthest villas at around 150m line-of-sight from the access points, Altai Super WiFi achieved complete coverage throughout the retreat and surrounding pathways.

Customer Name:

Peppers Ruffles Lodge & Spa
Powertec Telecommunications (distributor & system integrator)

Deployment Location:

423 Ruffles Road, Willow Vale, Gold Coast Hinterland, Queensland Australia

Application:

Private network for retreat staff, guests and conference delegates

Products used:

Altai C1n and VDSL modem

Result:

The new wireless network covers all the villas and office buildings.

Testimonial:

"I was impressed by the quick and professional response of Powertec and am delighted with the end result of full WiFi access for our staff, valued guests and conference delegates."

Kevin Gong
General Manager of Pepper Ruffles

The Challenge

- Large coverage with a total area of over 200,000 sq. m.
- Most of the areas are covered by trees and vegetation
- Villas and buildings are scattered around the retreat area
- Limited sites for installation



The Solution

The C1n can be configured as a WiFi access point for local coverage, a repeater for extending WiFi coverage from an AP or, Station mode which is similar to a small bridge. With a range of up to 600m, the Altai C1n provides superior coverage. Five of these weatherproof units were situated throughout the retreat creating a seamless network.

The use of VSDL modems allows up to 100Mbps Ethernet to travel across 1 pair of plain old telephone cable up to 1.6km in distance. These work similarly to ADSL and have a filter that separates the analogue phone and data. The buildings are connected with Ethernet using an existing analogue phone extension off the retreat's PBX in place of a wireless link.

The Result

The total solution resulted in a robust network across the retreat for management, staff and guests. The retreat can now offer free limited or paid premium WiFi access to guests and promote its conference facilities. New POS terminals, extended CCTV and a new WiFi based Push to talk 2-way radio system can now be implemented allowing cost effective communications between management and staff.

About Altai

Altai Technologies is a leading supplier of carrier-grade WiFi products and technologies with a distribution network reaching 100 countries. Altai Super WiFi is also the leading solution for vertical industrial markets, covering over 180 terminal ports and airports 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 offload, 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.

Contact Us

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