

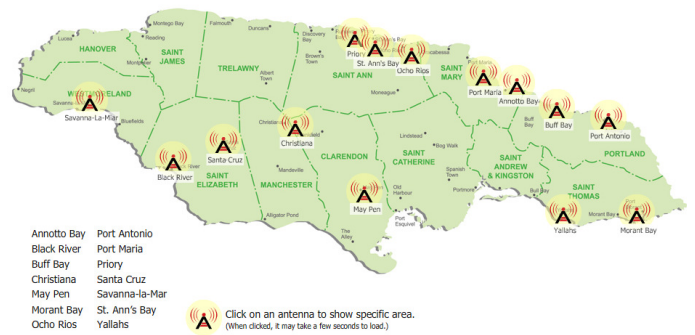
Altai Super WiFi Unwired Jamaica

World's first island-wide large scale wireless network

Located in the Caribbean Sea, Jamaica has a population of over 2.8 million with an area of over 4,300 sq. km. Most of the areas are still using dial-up for Internet access while only a few parts are using ADSL for connection.

To improve the penetration of broadband Internet and to provide high performance and affordable Internet services in Jamaica, the newly-established local wireless Internet service provider (WISP), DEKAL Wireless has rolled out its plan to deploy the world's first island-wide large scale wireless broadband network since the beginning of 2010.

The DEKAL Wireless technical team carefully evaluated a wide selection of wireless equipment and the team adopted Altai's Super WiFi products as its supplier for island-wide deployment due to its patented long range technologies.



The project is divided into two phases. Phase I of the network is already in full service which serves almost half of the island population by covering 14 major towns. The wireless network stretches across the parish of Portland to the furthest point in Westmoreland.

The wireless Internet service is subscribed on a pre-paid basis and the connection speed can be up to 10 Mbps, making it much faster than the existing Internet connection. Local residences and tourists from US and the world can now enjoy Super WiFi service across the island using the same login name and password via their WiFi-enabled device such as iPhone, iPad, netbook etc.

Problems & Challenges:

- Lack of infrastructure for broadband Internet
- Lack of electricity supply in rural areas
- Difficult to acquire sites for installation
- Delay in backhaul installation from service provider

Solutions:

- Over 200 x A8, A3, A2 installed in 14 major towns which served over half of the population
- Complete end-to-end solution including service control, billing and pre-paid card systems
- Conduct comprehensive site survey and network planning
- Using solar energy in some of the sites for providing stable electricity supply
- Using A2 as bridge to provide wireless backhaul