



OVERVIEW

University of the Ryukyus, located in Okinawa Prefecture, Japan, has been committed to cultivate talents with high-quality education. The University has been endeavoring to uphold its future vision as "an institution with both local and global features that functions as an outstanding education and research hub in the Asia-Pacific region" and it has been making steady progress towards these goals.

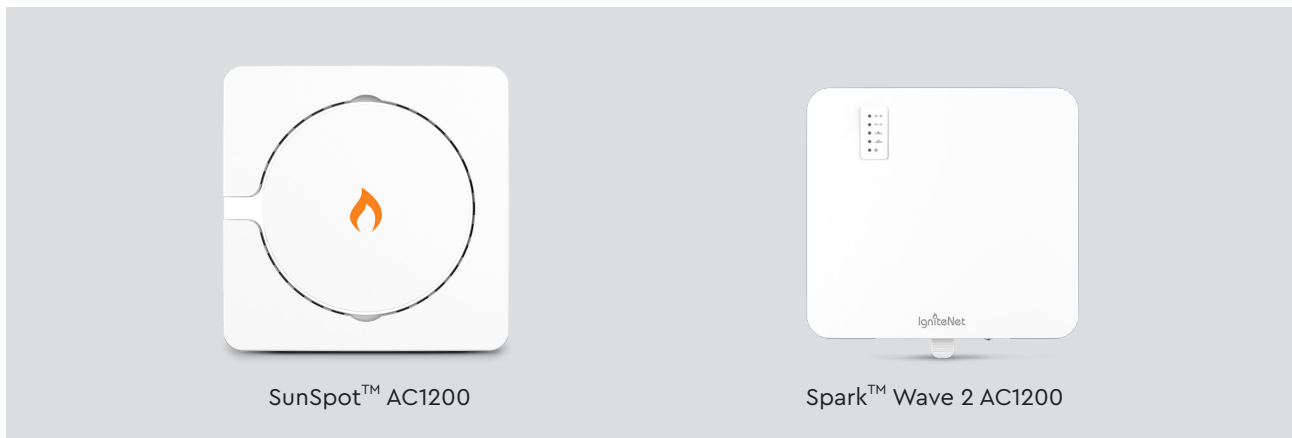
THE PROBLEM

With the rapid development of information and communication technology, more active use of e-learning and LMS (learning management system) in higher education has become a must. As a forward-thinking educational institution, University of the Ryukyus was aware of the trend and with the university's growth plans in mind, they were in need for expanding their original wireless network to provide sufficient network bandwidth to meet the increasing digital needs. The original WLAN infrastructure of the university was consisted of APs and controllers from several brands, but when it came to network expansion, none of the brands lived up to the university's expectation.

THE SOLUTION

Following a detailed review of several vendors' Wi-Fi solutions, the university found that IgniteNet's solution proposed by NESIC, IgniteNet's partner in Japan, best met the university's requirements. The university successfully deployed over 200 IgniteNet's APs, SunSpot™ AC1200 and Spark™ Wave 2 AC1200 to university hall, faculty rooms and lecture rooms. These APs are capable of operating simultaneously at 2.4GHz (802.11b/g/n) as well as 5GHz (802.11a/n/ac) to supply ample throughput and are both cloud-enabled out of the box, allowing for easy, highly scalable installation, configuration and management. Spark™ AC1200 is powered by a next-generation

quad-core CPU, which allows super-high performance when serving a high number of users. 802.11ac wave2 standard support has MU-MIMO compatibility allowing Spark™ AC1200 to transmit data more efficiently and at higher speeds.



CONCLUSION

Since IgniteNet products provide high efficiency, stable operation, and are easy-to-manage, install and deploy, the university is highly satisfied with the result and plans to continue expanding their wireless network, using IgniteNet Wi-Fi solution to provide wireless internet access to enhance campus interconnectivity.

