

Education Use Case – Adachi Gakuen Tokio - Japan

Adachi Gakuen is a junior high school and high school for boy's education, which was founded in 1929 in a location blessed with convenient transportation, with a 1-minute walk away from the east exit of the terminal station "Kita-Senju" in Tokyo. The founding spirit of "Be Simple and Strong Fighting" is still alive, and with the educational goal of "Learning by on self and being strong in the heart" expressed in the current language, based on the development of students who can learn independently. We are training gentlemen who have aspirations, open up their own future and can play an active role for the sake of the world.

There are 34 clubs and circles in total in junior high school and high school, and we are also focusing on human education through numerous annual events such as school festivals, sports festivals, art appreciation parties, community cleaning, and language training overseas. A major feature is the development of sociality and independence.

The environment for ICT education is also substantial, and we are developing a Wireless LAN environment throughout the school, including classrooms and small auditoriums.

Adachi Gakuen started improving the ICT environment in 2015, and has introduced the installation of electronic blackboards, deployment and improvement of "Campus Wi-Fi", and the use of collaborative work apps for interactive lessons.

In addition, the operation results of the learning environment utilizing the cloud platform "Microsoft 365" provided by Microsoft are recognized, and it has been certified as "Microsoft Showcase School" by Microsoft, where students can submit assignments and class contents even at home.

In addition, there are 18 MIEE (Microsoft accredited education innovators) enrolled teachers. Since they are provided at any time, we can always provide cutting-edge ICT utilization education. We believe that the quick and smooth response to the effects of the new-coronavirus is a result of our early efforts to improve the ICT environment.



Use Case

Adachi Gakuen had installed their previous Wi-Fi environment 5 years ago. In April 2019, we introduced to Adachi Gakuen a high-capacity access point from Relay2 because the need of more capacity for teachers and students had increased. The advantage of Relay2 is that they unify the service and operation management.

- Complete installation in a short period, only one weekend without waiting for long vacations
- Unified services have made a huge difference between the previous and new access points
- Simplify and speed up network monitoring

Deployment solution

- Relay2 AP 200 series, High-capacity access point with storage
- Cloud based Wi-Fi Architecture

Benefits

- The Relay2 Wi-Fi Access Points connect to the cloud from Ethernet and completes self-configuration in a few minutes, so the installation was completed in one weekend.
- We were able to unify the school with high capacity Relay2 Wi-Fi network environment, the coverage area of access points made by other companies, which had been difficult to connect due to change of WiFi usage, has been greatly improved.
- In the past, when a Wi-Fi Network issue occurred, the school had to request an investigation and wait for on-site analysis, but with Relay2's cloud Wi-Fi, you can perform an immediate remote analysis via the Relay2 cloud dashboard to investigate the issues in short time and resolve the network issue within minutes.
- Software updates are done via the Relay2 Cloud without any human intervention and according to the school's planned schedule.
- The main reason for choosing Relay2 is the use of Relay2 Edge Computing in the future. Although the use of IT is increasing at an accelerating rate, it is not easy to strengthen network infrastructure, especially the backhaul network. For example, at school information sessions held more than 10 times throughout the year, Relay2 ECH, stand for Edge Content Hosting, can be used to off-load the backhaul network traffic with data and videos stored in Relay2 access point storage. It can provide data and videos to many visitors at the same time without overloading the backhaul network.



The shift to a stress-free Wi-Fi environment by installing high-capacity access points from Relay2 and the Cloud Managed Wi-Fi has made it possible to simplify operations and respond quickly to the new educational environment of the digital society. We look forward to further utilization of edge computing in Relay2 Wi-Fi.

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