



TP-Link Offers Convenient and Reliable Wi-Fi Networking in Hannam University Dormitories



End-Customer General Profile

Name: Hannam University Dormitory

Location: Daejeon, South Chungcheong Province, South Korea

Industry: Education

Capacity:

- New building (male/female, 10th floor, 133 rooms)
- Freedom House (men, 7th floor, 96 rooms)
- House of Truth (female, 5th floor, 43 rooms)
- Library

Used Products

• Jetstream Switches

TL-SG3428MP × 17

• Omada Access Points

EAP225 × 270

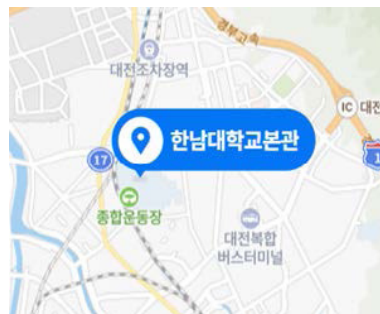
• SFP Module

TL-SM311LS × 18

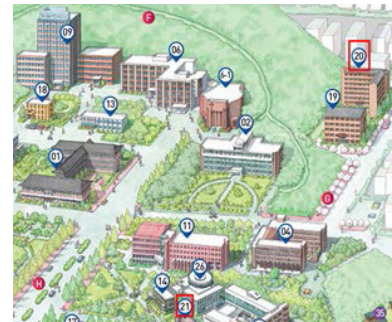
BACKGROUND

Founded in 1956 as Daejeon University (Daejeon Christian Institute) by American missionaries, Hannam University maintains its Christian atmosphere that emphasizes truth, freedom, and service.

Over the past 60 years, Hannam has attained a remarkable growth to be a recognized private university in both Korea and Asia. Located in Daejeon, It has two campuses in Ojeong-dong and nearby Daedeok Innopolis with the state of the art infrastructure and facilities for academic and extracurricular activities.



[Location of Hannam University]



[Campus Map of Hannam University]

Hannam University Dormitory was established with the purpose of providing convenience facilities such as accommodations to male and female dormitory students and fostering self-reliance through communal living based on the spirit of Christianity, cultivating character for truth, freedom, and service, and creating a healthy academic culture.

▼ CHALLENGES

Hannam University Dormitory turned to TP-Link for convenient and reliable Wi-Fi networking as it was faced with the following challenges:

- The existing Wi-Fi network in the dormitory is deteriorating, so the speed is slow and not stable;
- Wi-Fi coverage does not cover closed spaces and public spaces;
- When installing new network products in the dormitory, how to minimize the impact on the existing structure.

▼ SOLUTION

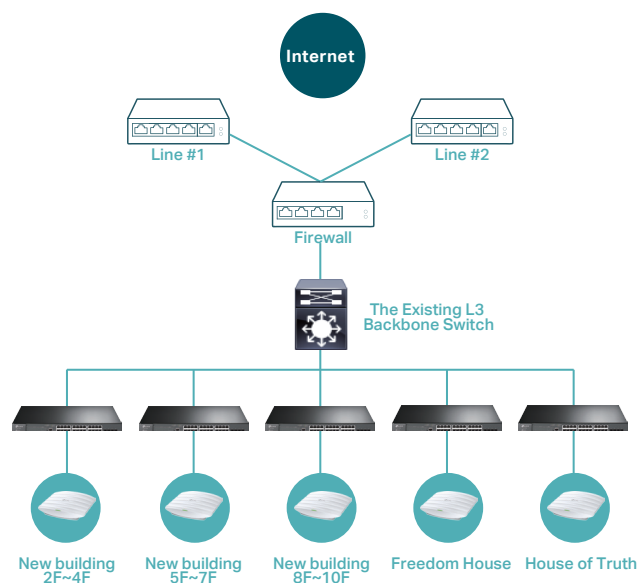
Measures

Hannam University Dormitory was able to provide fast and stable Wi-Fi services as well as streamline management and operation by utilizing TP Link's wired and wireless networking solution:

- Equipping each room with a ceiling AP "EAP225" to ensure complete Wi-Fi coverage in both closed and open spaces;
- Keeping the existing L3 backbone switch in place and configuring the L2 switch "TL-SG3428MP" underneath it to build a super-fast Wi-Fi network while maintaining the existing network configuration as much as possible;
- Implementing centralized management by using the Omada software controller to manage the Wi-Fi network in an easy and convenient way;
- Installing entry AP products for the open one-room environment to provide a seamless network with a relatively low price.

Network Topology

Hannam University Dormitory Network Diagram



Network Management

The Wi-Fi network was managed easily and conveniently through centralized management based on the TP-Link Omada SDN service.

Hannam University Dormitory was able to carry out 100% centralized and unified management of each AP using the Omada software controller, and to troubleshoot network issues with only a small number of personnel.

▼ Results

Wireless LAN coverage



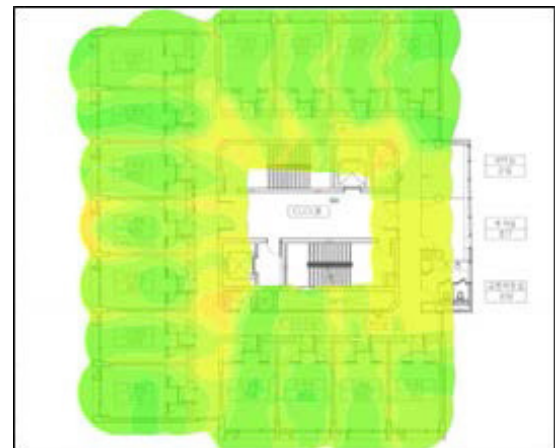
5GHz Wi-Fi Signal Strength
on the 5th Floor



5GHz Wi-Fi Signal Strength
on the 6th Floor



5GHz Wi-Fi Signal Strength
on the 7th Floor



5GHz Wi-Fi Signal Strength
on the 8th Floor

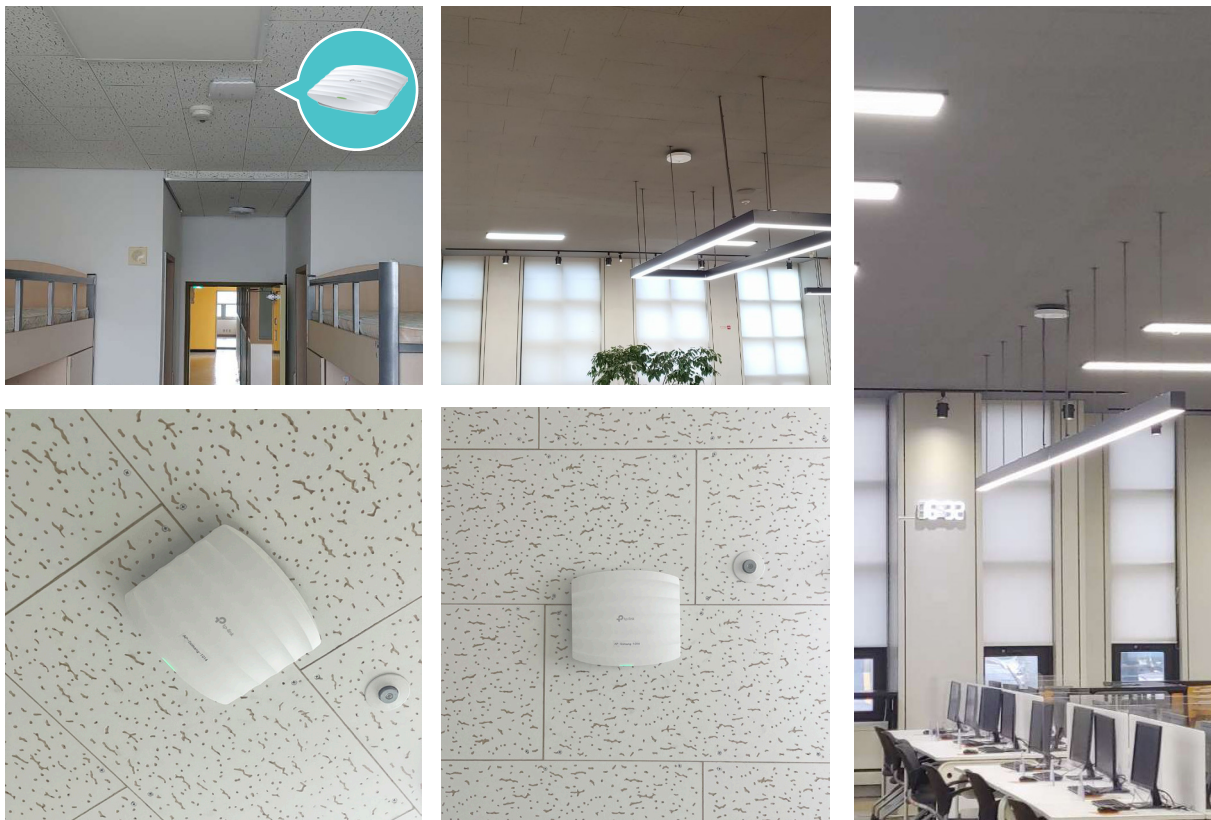


Business Results

The Jetstream "TL-SG3428MP" is a 28-port Gigabit L2 managed switch that supports flexible deployment and a total PoE power budget of up to 384 W through 24 PoE+ ports. Such a high power budget has significantly reduced the infrastructure costs.

In particular, the TP-Link wired and wireless networking solution integrated with the Omada SDN platform has provided differentiated advantages in terms of management as well as efficient network construction.

Product Photos inside Hannam University's Dormitory and Library



[Photos of APs Installed]



[Photos of Switches]

Feedback from Hannam University Dormitory

'Based on TP Link Omada AP and SDN services, we have not only built an efficient and simple Wi-Fi network for dormitories but also made management efficiency. Therefore, A small number of staff can sufficiently solve network-related problem issues.'

—— An official from Hannam University Dormitory

Related Recommended Products



ER8411



TL-SG3428XF



TL-SG3428MP



OC300



EAP660 HD



EAP615-Wall



TL-SM311LS



TL-SM5110-SR