TP-Link Brings High-Performance Mesh Wi-Fi to High School

END-CUSTOMER GENERAL PROFILE
Name: Gymnasium Vilshofen  
Industry: Education  
Capacity: 50 Classrooms  
Users: About 800 daily average users (DAU), 5000 at events  
Location: Professor-Scharrer-Str. 19, 94474 Vilshofen, Germany

BACKGROUND
The Vilshofen high school is a scientific, technological, and linguistic grammar school on the Danube in the Passau district in Lower Bavaria. Vilshofen high school is also a seminar school for English, German, history, geography, female sports, social studies, and economics. A team of about 75 teachers teaches approximately 720 students.

PARTNER PROFILE
Name: VSH Medientechnik Furtner GmbH & Co. KG  
Expertise: Tapeless productions, video & audio technology, IT & Security, telecommunications  
Area: Thyrnau, Bavaria, Germany

USED PRODUCTS
- Jetstream Switches  
  7x TL-SG3428MP  
  3x TL-SG2428P  
  2x TL-SG3452P  
- Easy Smart Switches  
  2x TL-SG108PE  
- Omada Controller  
  1x OC200  
- Omada Access Points  
  60x EAP245  
  2x EAP115-Wall  
- Accessories  
  12x TL-SM311LM
CHALLENGE
Vilshofen turned to TP-Link in December 2020 for a reliable networking solution to rebuild their network that would solve the following problems:

- Offer high-performance and stable internet access to every student, teacher, staff, and visitor, especially on event and activity days.
- Cover the impossible cable-wired “dead zones” with stable Wi-Fi.
- Easy and centralized management for one staff member.
- Two separate networks, one for students and the other for teachers & administrative staff.
- Meet the high network requirements with a limited budget.

SOLUTION
TP-Link provided a suitable networking solution that met all of the demands and overcame the inconveniences brought about by COVID-19.

The Solution Topology of Gymnasium Vilshofen

Network Deployment
Sixty EAP245, MU-MIMO dual-band ceiling mount AP, provided a full-covered wireless network to every classroom, conference room, and office. The Mesh function lifts the Wi-Fi coverage effortlessly into "dead zones" without additional wiring.
Satisfied High Performance
The entire school enjoys stable and reliable wireless connections when they move between classrooms and offices. As the network gets faster and stable, teachers convert to digital materials even more.

Secure, Personalized Access for Teacher and Students
Multiple SSIDs and VLAN functions personalize the network experience for teachers, staff, and students by enforcing specialized access policies that protect all private and sensitive data.

Easy Centralized Management
An OC200 centrally managed all EAPs. The network administrator can monitor network traffic in real-time, assign the configurations to EAPs in batches easily. Moreover, no special training or maintenance is required to manage the network, thanks to its easy-to-use interface.

Reliable and Timely Services
Even under the coronavirus situation, TP-Link still kept the quality of its service. Our European subsidiary and its local partners guaranteed the delivery and deployment, building a solid bridge between residents and other stakeholders with a strong sense of responsibility.

Cost-Effective Solution
TP-Link offered the best value and cost-to-benefit ratio when compared to other brands. With affordability, it delivered high-power Wi-Fi coverage, satisfying network speeds, and unfailing network stability.

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The teachers, students, and staff in Vilshofen are delighted with the solution. There has been no downtime since the installation. TP-Link provided a stable, fully-covered, and easily-managed network. It has released the IT administrator from the exhausting and complicated management, brought convenience, and allows them to:

• Enjoy an optimized network experience and pay less attention to network maintenance or troubleshooting.
• Explores new teaching and learning methods and opportunities, such as using multimedia content during classes.
EAP245 provides internet access in a conference room

PoE Switch delivers power to APs

❤️ Related Recommended Products

- EAP245
- EAP615-Wall
- OC200
- TL-SG3452P
- TL-SG3428MP
- TL-SG2428P
- TL-SG108PE
- TL-SM3111LM