



## TP-Link Powers Advanced Connectivity for Al-Sahafa International School

### BACKGROUND:

Al-Sahafa International School, established in 2011, is a prestigious educational institution located in Riyadh, Saudi Arabia. The school offers an American curriculum and serves female students from Pre-Kindergarten through Grade 12. With a strong focus on integrating technology into the learning process, Al-Sahafa aims to provide students with a dynamic and modern educational environment.

**Website:** [www.alsahafaschool.edu.sa](http://www.alsahafaschool.edu.sa)

**Capacity/Scale:** Al-Sahafa International School caters to female students from Pre-Kindergarten to Grade 12, and the school integrates smart solutions, such as smartboards, to foster an engaging and technology-driven learning environment.

### CUSTOMER PROFILE



**Name:** Al-Sahafa International School

**Industry:** Education

**Location:** Riyadh, Saudi Arabia

**ESTELLE DARCY**  
CEO Ingoude Company

"For over 5 years, our company has been improving the brand and company images to give a proper experience to our customers."

## CHALLENGES:

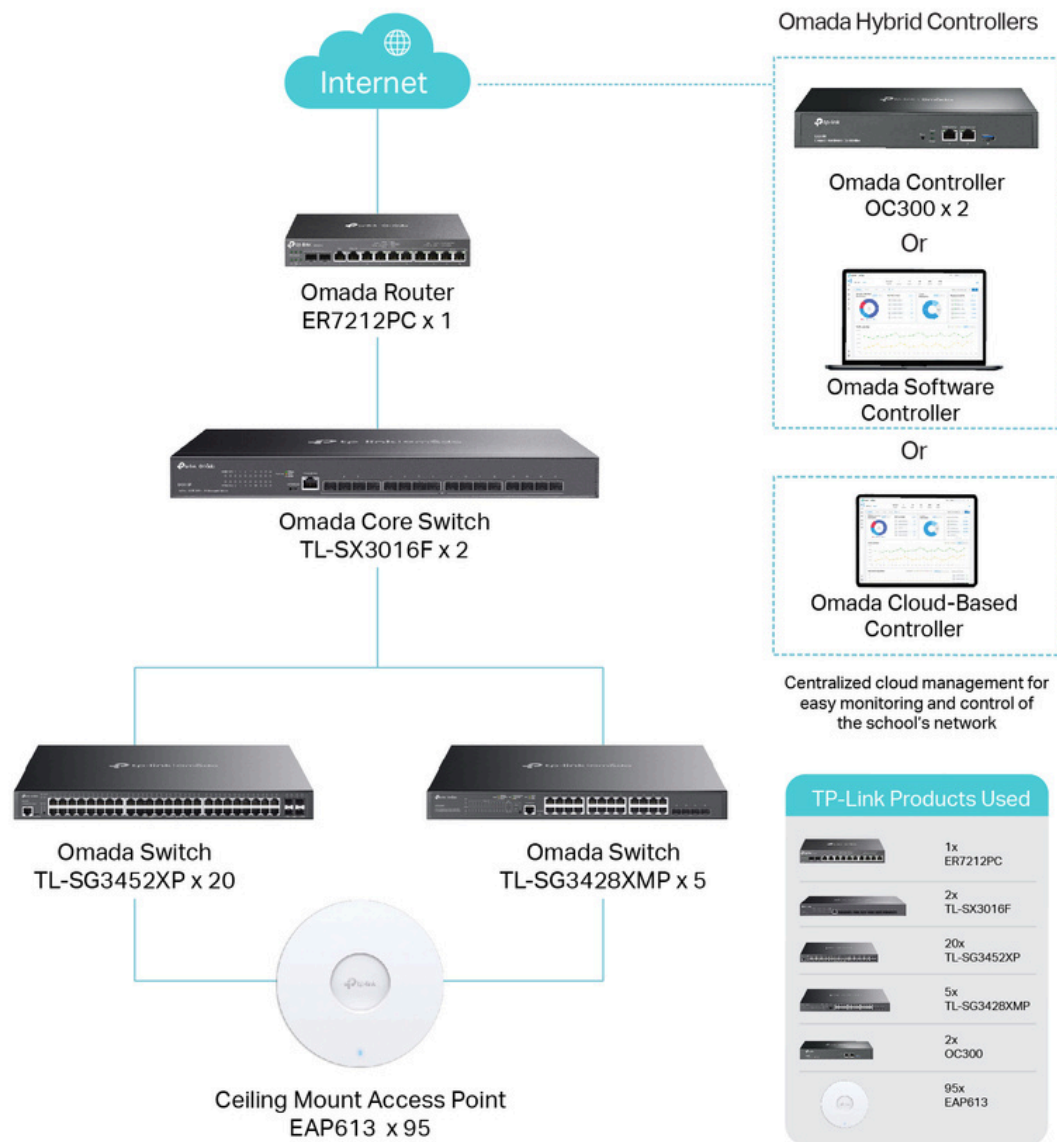
Al-Sahafa International School was facing several challenges in delivering seamless connectivity across the entire campus, particularly as the school embraced more digital learning methods. The key challenges included:

- **High-Speed Internet & LAN Connectivity:** The school required fast, reliable internet across the campus to support both educational and administrative activities.
- **Classroom Connectivity:** A stable, high-performance network was essential to ensure that classrooms, equipped with smartboards and other digital tools, were consistently connected.
- **Multiple SSIDs:** The school needed to provide distinct networks for various user groups (Admin, Server, Staff, Students, Guests) to maintain security and efficient internet usage.
- **Internet Speed Issues:** The school experienced fluctuating internet speeds due to issues with their ISP, which affected the quality of online learning and communication.

## SOLUTION PROVIDED BY TP-LINK:

To address these challenges, TP-Link provided a comprehensive networking solution designed to ensure fast, reliable, and secure connectivity across the entire campus. The solution included:

- **Network Topology:** TP-Link implemented separate LAN networks for Internet access and CCTV systems, ensuring optimal performance for both.



- **Products Deployed:**

- **TP-Link TL-SG3452XP (x20):** 48-Port Gigabit PoE+ Switches, designed to support high-speed data transfer and provide PoE capabilities for various network devices.
- **TP-Link TL-SG3428XMP (x5):** Managed Switches to ensure smooth and scalable network management across the school's facilities.
- **TP-Link TL-SX3016F (x2):** 10G SFP+ Switches to enhance the school's network with faster data transfer speeds.
- **TP-Link EAP613 – AX1800 (x95):** Wi-Fi 6 Access Points to deliver fast and reliable wireless connectivity throughout the school, ensuring uninterrupted access for all users.
- **TP-Link ER7212PC Router (x1):** A high-performance router that enabled secure and efficient management of the entire network.
- **Omada Controllers (OC300 x2):** Centralized cloud management for easy monitoring and control of the school's network.



## BUSINESS RESULT:

- **High-Speed Wi-Fi 6 Connectivity:** The deployment of Wi-Fi 6 across the school campus provided users with download speeds of up to 867 Mbps on the 5 GHz band and 400 Mbps on the 2.4 GHz band. Students, staff, and guests now experience uninterrupted, high-speed internet access.
- **Improved Network Performance:** The school's network is now faster, more reliable, and capable of supporting numerous devices simultaneously without compromising on speed or performance.
- **Customer Feedback:** "TP-Link's networking solution has dramatically improved our connectivity. Our classrooms are now seamlessly connected, and we no longer face the internet speed issues we previously encountered. The system is easy to manage and provides a secure and high-performing network that supports our teaching methods and student engagement." – IT Administrator, Al-Sahafa International School
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## CONCLUSION:

TP-Link's advanced networking solutions have successfully transformed Al-Sahafa International School's connectivity infrastructure. The deployment of TP-Link's high-performance products has enhanced the school's digital learning environment, providing high-speed internet, seamless wireless connectivity, and robust security for both students and staff. With TP-Link's solution, Al-Sahafa is now equipped with the technology necessary to support modern education and prepare its students for the future.