




EDUCATION

## Nile Egyptian School Aswan Branch

### Customer Profile

Name: Nile Egyptian School  
Sector: Education  
Capacity: Phase 1  
Location: New Aswan, Egypt  
Year of Project: August 2022

Distributor: **DOMAIN**

System Integrator: 

### ▼ CHALLENGE

The challenge of Wi-Fi coverage when deploying a large network like a school. Where is wireless access needed. Depending on the Nile school topology, you'll need to consider the full areas that needs coverage, including both indoor and outdoor spaces like classrooms, teacher rooms other staff and gardens.

- Even when connected to the Internet, many students, teachers and other staff commonly experience unstable or slow connection speeds with their wireless connections.

- One of the greatest challenges in managing a wireless at Nile school connection is ensuring that every student within the same environment is satisfied with their connection speed and usage stability for online studying.

- Internet management is the daily work of all IT school administrator.  
 - Online lessons and lectures speaking, Managing and monitoring student insights is the most important action.

The OC200 in network cabinet.



## ♥ SOLUTION

- Wide-ranging indoor and outdoor options deliver comprehensive wireless coverage, Access Point designs include ceiling, wall and pole-mount installation for the classroom, dormitory, library, outdoor areas and more.

- Access Control and MAC Filtering define white and blacklists of internet resources, while Wireless Isolation controls wireless client communication, maintaining a healthy campus network.

- **Controller**

- OC200 Omada Hardware Controller



- **Access points**



- **40 units** of EAP245 AC1750 Wireless Dual Band Gigabit Ceiling Mount Access Point

The EAP 245 in corridors.

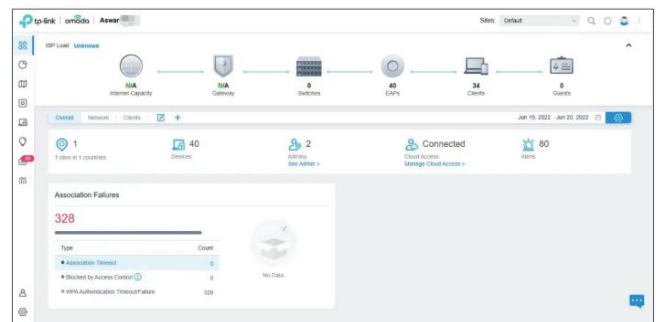
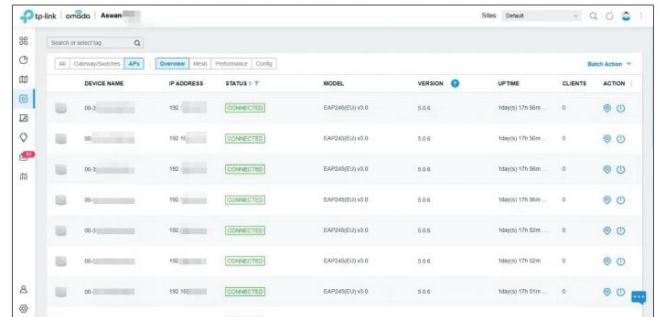




EAP 245 in entrances.



Screenshots of **OC200** hardware controller interface of the network.



EAP 245 Access Point is covering every corner with Wi-Fi.



## ♥ BUSINESS RESULTS

- Classes, library, teacher rooms and admin rooms have both wired and wireless network access to let all access internet by permission using controller.
- School network engineer has remote access to EAPs, Controller and educational resources.
- Integrate Access Control to set limits on the resources allowed to students.
- Omada allows simple management and low-cost maintenance.