tp-link

Consoleya coworking spaces

Customer Profile

CONSOLEYA™
COWORK IT OUT

Name: Consoleya.
Sector: Coworking
Capacity: 90 employees. Office and workshop
Project date: Jun 2023

Distributor: DOMAIN

System integrator: WinFi

❤ BACKGROUND

Consoleya is an innovative coworking space located in the heart of Downtown Egypt. With its prime location, state-of-the-art facilities, collaborative atmosphere, and commitment to sustainability, Consoleya provides professionals with a dynamic and inspiring workplace. Whether individuals are seeking a productive environment, networking opportunities, or flexible membership plans, Consoleya aims to meet their diverse needs, fostering a thriving community of like-minded individuals in the heart of Egypt's business hub.

❤ CHALLENGE

- Consoleya understands the unique requirements of its customers Whether individuals or companies who are seeking a dedicated desk, a private office, private rooms, Consoleya provides a range of options.
- Consoleya has received a request from one of its VIP customers who intends to provide 50 desktop computers for their employees to perform their daily job consultancy tasks.
- Their main concern was the ability to connect to a stable internet as their work required a stable and robust internet.
- The primary objective is to ensure network connectivity and accessibility for these 50 desktop users. In addition to connecting their desktops, employees will also utilize their mobile devices to access the network. The scale of the project primarily revolves around providing reliable connectivity, accommodating the connectivity needs of these users, and ensuring seamless network

access for both desktop and mobile devices within the shared space.
- Consoleya's Customer need a robust and reliable network infrastructure to accommodate the simultaneous connectivity of these desktops. As their main task is providing dental consultancy services for customers outside Egypt.

1. Limited Connectivity Options: The current setup restricts desktop users to a single access point operating at 2.4 GHz.
2. Network Congestion: With only one access point available, the network can quickly become congested, especially when multiple desktop users are simultaneously accessing it. This congestion can result in slower data transfer speeds, decreased productivity, and potential connectivity issues.
3. Coverage Limitations: The coverage area provided by a single access point may not be sufficient to meet the needs of all desktop users, particularly in larger office spaces or areas with physical barriers. This limitation can result in areas of weak or no signal, impacting the productivity of employees who rely on wireless connectivity.
4. Compatibility with 2.4 GHz Dongles: The presence of 2.4 GHz dongles on the customer's desktops further adds to the challenge. These dongles may have limited performance capabilities and can contribute to network congestion and slower speeds, affecting the overall user experience.
5. Device Limitations: The single access point and 2.4 GHz frequency constraint may impose limitations on the number of devices that can be connected simultaneously.

❤ SOLUTION

With careful planning and consideration of alternative solutions to enhance network connectivity, alleviate congestion, expand coverage, and ensure compatibility with the existing infrastructure and devices. Finding the right balance between performance, scalability, and cost-effectiveness will be crucial to overcoming these obstacles and providing an improved network experience for the customer's desktop users.

Archer T4E
AC1200 Wireless Dual Band
PCI Express Adapter

The provided PCI cards Archer T4E Dual band address the connectivity needs of the customer. These PCI cards offer dual-band support, allowing users to connect to both 2.4 GHz and 5 GHz frequency bands. The T4E Dual band PCI cards offer improved speed, reliability, and range, providing a seamless wireless experience for the desktop users.
With these upgraded PCI cards, the customer can enjoy enhanced network performance and connectivity, enabling their employees to carry out their daily tasks efficiently.

Real photo of Archer T4E Dual band PCI cards easily installed & setp in PCs.

Omāda EAP660 HD

AX3600 Wireless Dual Band
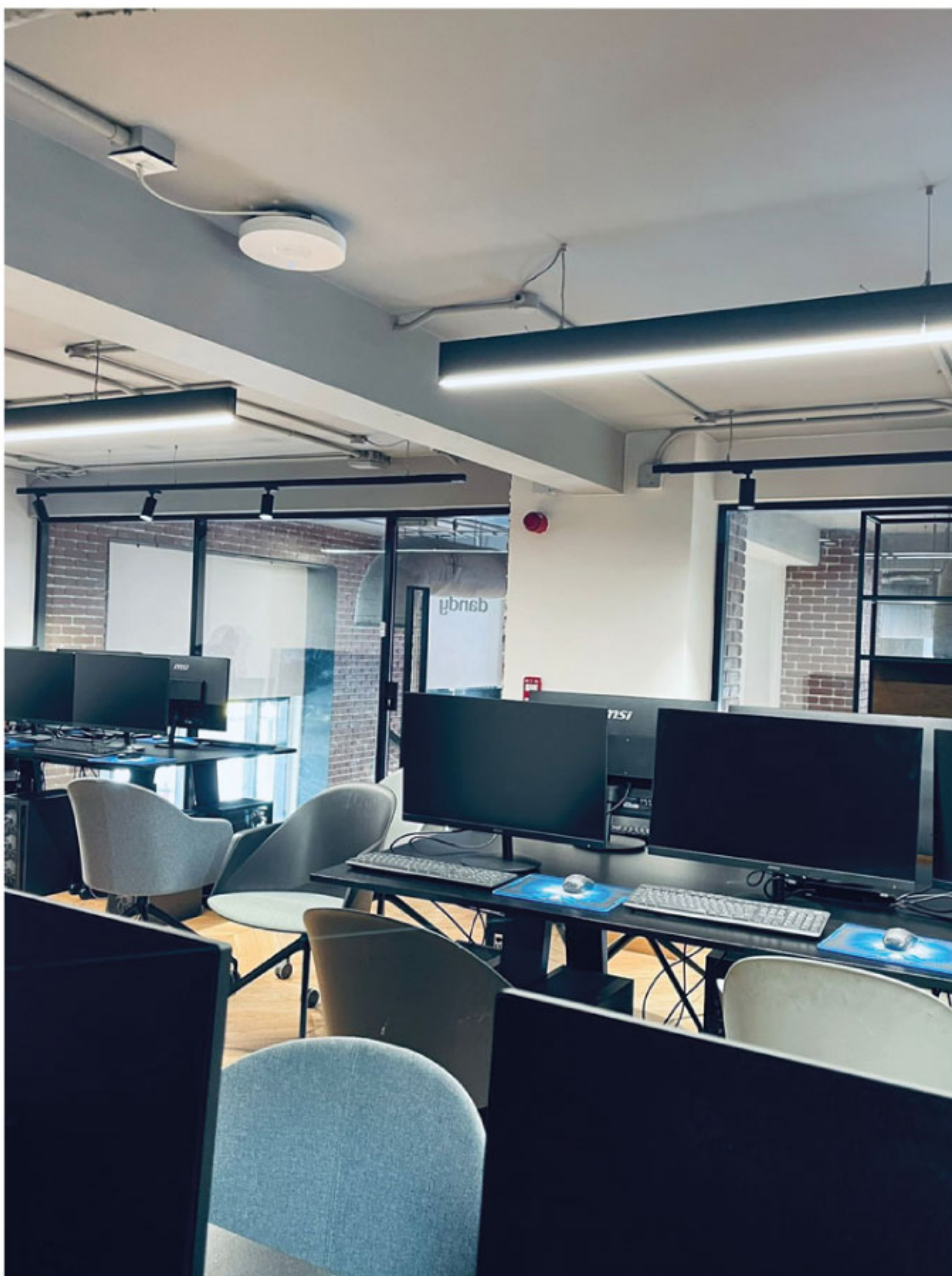Multi-Gigabit Ceiling Mount
Access Point

Wi-Fi 6

With its advanced technology **(Wi-Fi 6)** and improved efficiency, the EAP 660 HD can handle a higher number of simultaneous connections.
This is particularly beneficial in environments with a large number of users, such as shared spaces, ensuring stable and reliable connectivity for all connected devices.

Real photo of EAP 660 HD AX3600 mounted on ceiling in the point that can cover the place with a strong Wi-Fi signal.

❤ BENEFITS

- Wi-Fi coverage is available in every corner with a new technology of **Wi-Fi 6**.

- Abundant features optimize network performance, providing a stable and secure network connection for every user.

- Upgrade computers with a innovated wirless network cards.

❤ RESULT

Consoleya is very satisfied with the positive impact on their operations.
Since the deployment of the upgraded network infrastructure, they have experienced significant improvements in connectivity, performance, and overall user experience.
The challenges they previously faced, such as network congestion and limited coverage, have been effectively addressed, resulting in a more efficient and reliable network environment.

❤ RECOMMENDED MODELS

EAP-235Wall	EAP225 -Outdoor
T1600G28-PS	Omada Software Controller
OC300	TL-SM311LS

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