

Omada Delivers Reliable Wi-Fi 6 Connectivity for a 20,000+ Sq. Ft. Warehouse in Netherlands

Project Scope

Provide stable Wi-Fi 6 connectivity for a 20,000+ sq. ft. warehouse

Customer Profile

Name: SDLG
Industry: Warehouse
Location: Netherlands

Solutions

Access Point

- EAP650 D120-Outdoor
- EAP660 HD

Gateway

- ER8411

Switch

- SG3428MP
- SG6428XHP

Controller

- OC400

Accessories

- SM311LM

Omada delivered a reliable and secure high-bandwidth Wi-Fi 6 network solution for SDLG's first 20,000 square foot warehouse in Harderwijk, supporting its work fostering business development in Europe.

Omada's Wi-Fi 6 APs Provide High-Speed, Reliable Connectivity for Broad Indoor/Outdoor Warehouse Areas

The warehouse covers an area of approximately 20,000 square feet and is divided into indoor and outdoor areas, where excavator spare parts and whole machines are stored. The warehouse features a high ceiling and expansive layout, presenting significant challenges for both installation and comprehensive wireless coverage. Numerous tall shelving units may obstruct wireless signals. Additionally, both the interior and exterior of the warehouse are highly exposed to environmental factors such as dust accumulation, rain, and temperature fluctuations. These requirements demand strong coverage, stable connections, and robust hardware.



To address these challenges, Omada offers diverse Wi-Fi products for all areas. Notably, EAP650 D120- Outdoor is acclaimed for its suitability for warehouse environments. It features a durable, fully sealed IP68 weatherproof enclosure with a -30°C to 70°C operating temperature. It is flexibly installed on the warehouse roof via a boom and is equipped with built-in 120° dual-band directional antennas with high gain to ensure the optimal Wi-Fi experience ideal for precise and extended coverage. Seamless roaming technology also ensures uninterrupted streaming by automatically switching clients to access points with the strongest signals, avoiding interference from large obstacles.



Secure and Stable Remote Access from Netherlands to HQ with VPN Gateway

As SDLG's first office in Europe, the warehouse plays a key role. Secure remote access and reliable inter-site communication are especially vital for the China-based company.

Omada's ER8411 with enterprise-standard IPSec VPN and one-click auto IPSec VPN simplifies VPN configuration and facilitates network management and deployment. By leveraging the Omada Controller, administrators can configure a VPN policy to facilitate seamless and secure connectivity between subsidiaries and headquarters.

Centralized Cloud Management for Network Access and Monitoring

Given the warehouse's large coverage and complex multi-zone layout, SDLG's IT manager needed full network control anytime, anywhere. All access points, gateways, and switches integrate seamlessly into Omada's Software-Defined Networking (SDN) platform, allowing centralized management via the Omada app or web UI.



Omada supported the setup of our first warehouse in Europe. Within two weeks, delivery, installation, and network commissioning were completed. This ensured smooth network connectivity for office staff and enabled timely warehousing and sorting of incoming equipment.

—Mr. Mike Gao, Project manager from China Telecom Netherlands



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