

Robust Wireless Network for 86,100 ft² -18°C Refrigerated Warehouse of Unifreeze in Poland

Project Scope

Provides full network coverage for an 86,100 ft² refrigerated warehouse and secure connectivity for approximately 50 staff.

Customer Profile

Name: Unifreeze
Industry: Production
Location: Poland

Challenge

Maintaining a stable network in a high-bay warehouse constantly kept at -18°C imposes exceptional demands on hardware durability and requires solutions that minimize on-site maintenance.

Solutions

- EAP610-Outdoor ×14

Unifreeze, a company with over 30 years of experience in producing premium frozen vegetables and fruits, needed a network infrastructure capable of withstanding these harsh conditions.

Professional Hardware Design Perfect for Harsh Environments

Omada Indoor/Outdoor access points withstand most harsh environments, which ruggedized enclosure is IP68 rated and guarantees operation in temperatures ranging from -30°C to 70°C. After an on-site research, Omada and installer Neo-System directly deployed 14 Pcs EAP610-Outdoor Access Points in the Unifreeze's warehouse without additional insulation or recurring maintenance of the equipment.

Access points were mounted in the alleys of the warehouse at a height of about 10 meters. Equipped with high-gain antennas and advanced Wi-Fi 6 technology, these devices deliver robust and expansive wireless coverage, overcoming signal loss from metal shelving and walls. PoE support enabled efficient installation and minimized cabling complexity.



Comprehensive Service and Support to address all concerns

Omada has provided customized and professional warehouse network solutions for clients such as Unifreeze, addressing a variety of stringent challenges including waterproofing, dust prevention, and cold protection through a one-stop integrated approach. The solutions ensure reliable, high-quality service while achieving excellent cost control.

Following implementation, Unifreeze benefited from rapid, stable, and dependable wireless network coverage across their entire warehouse, with no reported issues. Moreover, Omada's official enterprise community and localized support team provide dedicated, professional after-sales assistance around the clock. The staff of Unifreeze could perform remote software upgrades through the app or web platform as needed, substantially minimizing the requirement for regular on-site maintenance and operational personnel.

"Since the implementation, we have not had any failure or problems with the system's operation."

— Piotr Biegajski (IT Manager of Unifreeze)

"We decided on a solution from Omada because they met all the investor's requirements at an attractive price...I know these devices well, having installed them many times before. These are devices created to work in extreme conditions."

— Dezyderiusz Kozlowski (IT manager of Neo-System)

