Case Study

Industrial Refrigeration System

IP69K Stainless Steel Panel PC (Titan2)



Background

Application: Industrial Refrigeration HMI
Industry: Food and Beverage (F&B)

Location: EMEA

One of our customers from the food processing sector was seeking a rugged HMI to be placed in a cold and high-humidity environment for long-hour cooling system operation. As a result, It has applied the rugged 21.5” IP69K panel PC (Titan2 series) to the industrial cooling system as a control panel for fresh food and vegetable storage to monitor product status and secure quality.

Project Requirements

To address this challenge, we adjusted touch sensitivity to ensure smooth user experience even forming condensation on the screen. Meanwhile, the Titan2 is fully waterproof, wide operating temperature and has corrosion resistance that makes it ideal for harsh environments. It also required adding an RFID module for further inventory management and access control.

- Advanced Computing
- Industrial Panel
- All Touch Technology
- IP69 Rating
- Robust Design

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Solutions

Project Requirements	Our Solutions
#1 Touch sensitivity	All touch technology: touch type, glass, sensitivity adjustments
#2 Product longevity	Industrial grade panel, EMC, humidity, shock and vibration test
#3 Adding RFID function	ADLINK In house value added service for function expansions
#4 Easy for mounting	Standard VESA, Yoke, pipe mounting options

Application Diagram



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Benefits

Our solution has enabled efficient and reliable operation in a demanding food processing environment. Its durability and adaptability ensure consistent computing at the edge in cold and high-humidity conditions, supporting seamless monitoring and quality control. The added RFID functionality also enhances inventory management and access control, helping to streamline operations and maintain product integrity.

- Industrial-grade quality secures remarkable durability
- Effortless deployment with various mount options
- One-stop value added service enables flexibility on project
- Worldwide office and technical team support

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