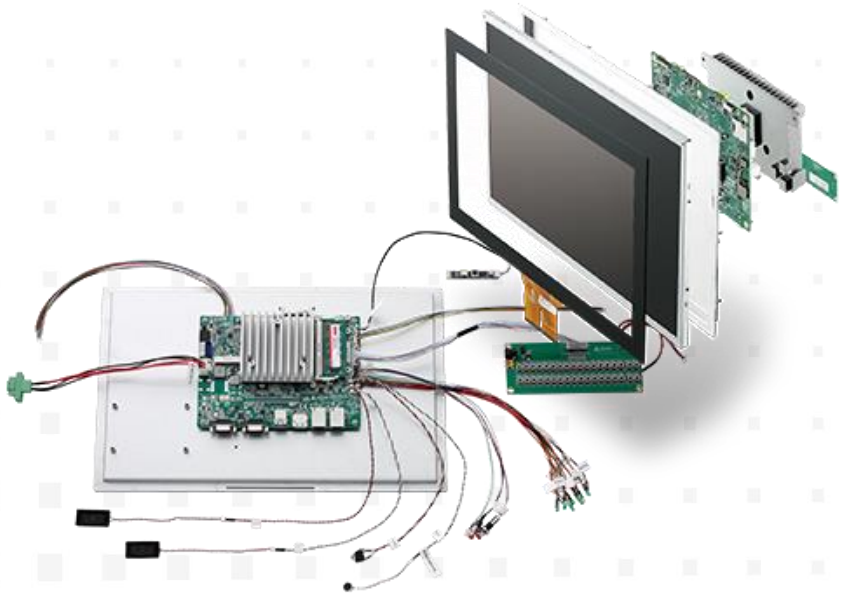
Case Study

Checkweigher

Open Frame Panel PC (SP2 Series)



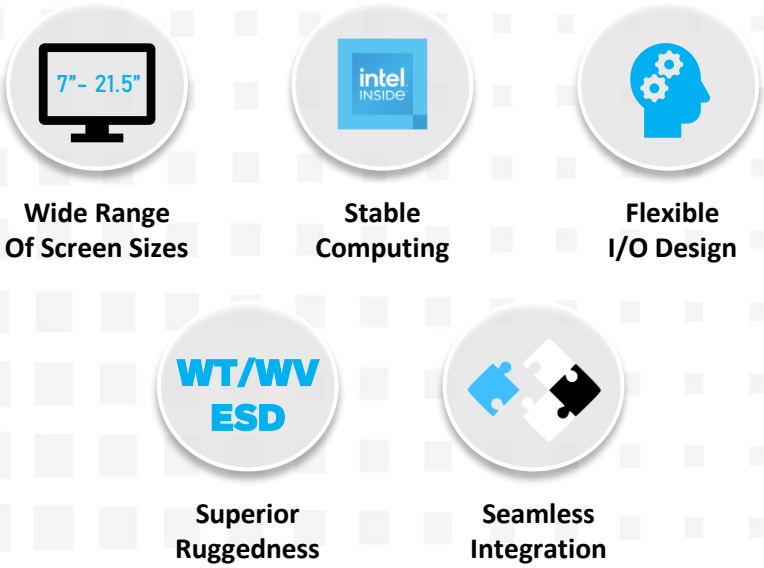
Background

Application: Industrial Checkweigher
Industry: Testing and Measurement

A customer from the general measure check weight equipment manufacturing industry has successfully applied open-frame panel PC (SP2 series) to the industrial checkweigher, as the HMI solution to provide clear weight indication for checking the weight of food and beverage, fruit and vegetable, and daily chemical products on the production line with quick response and further tasks.

Project Requirements

To achieve high efficiency with increased precision, it asked for industrial-grade computing and reliability for long hours of system operation. Plus, 7” and 12” screen sizes were required to fit into the measurement machine. Most importantly, shortening the overall development duration was critical for the manufacturer.

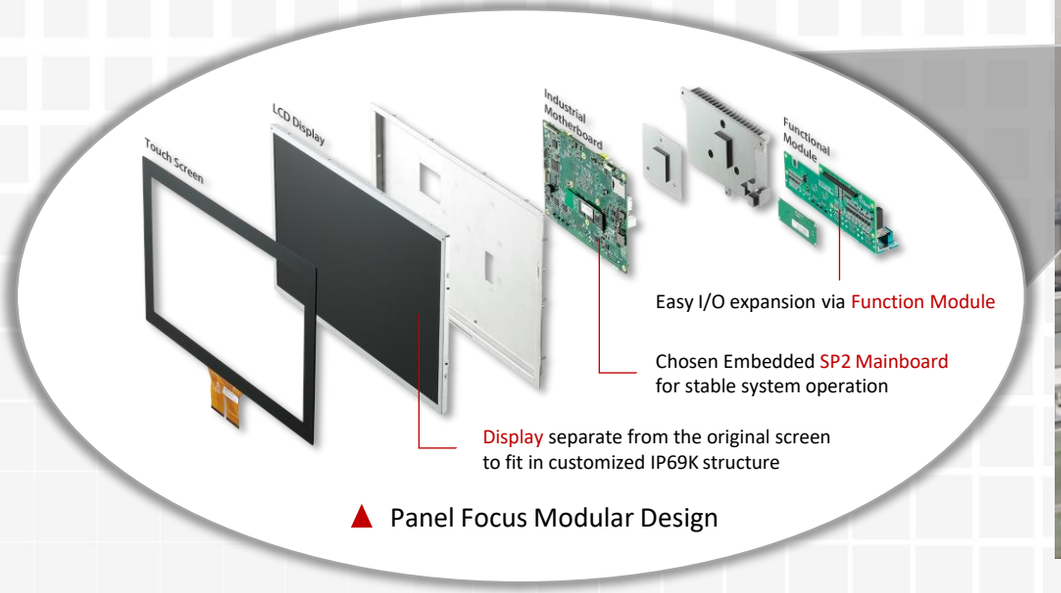


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Solutions

Requirements	Solutions
# 1. Multiple screen sizes for selection	Full screen size available from 7”-21.5” (more by request)
# 2. Different computing levels to choose	11th / 7th Gen. Intel® Core™ , Atom® x6000E/E3900 series
# 3. Industrial grade reliability	Supports ESD protection 8K/15K, Wide Operating Temp.
# 4. Power input for 24VDC	Supports wide voltage 9-36VDC input
# 5. Customized mechanism	Sourcing IP69K polyurethane sealing for firmly attached
# 6. Easy integration and fast to the market	Panel-focus mainboard and function module design

Application Diagram





Automatic Checkweigher

Benefits

The SP2 series allows seamless integration into the existing infrastructure, providing an efficient solution. With a high-quality touch interface, operators can easily navigate the system, ensuring swift and accurate weight monitoring. The rugged construction is well-suited for the demanding environment of a production line, offering durability and resistance to the rigors of continuous operation. Additionally, the panel-oriented design facilitates simplified maintenance and upgrades, ensuring minimal disruption to the production process.

- Effortlessly integrate with the system.
- A wide range of screen sizes to select to fit in the project.
- Customization enables flexible functions and is fast to market.
- Industrial-grade quality secures remarkable durability.

Why ADLINK

“The solution provider of Industrial Monitors and Panel PCs”

- Solid-Built Product Quality
- Save Considerable Total Cost of Ownership
- Being Fast Time-to-Market
- In-house value-added customization
- One-stop solution service with our experts
- Titanium Tier member of the Partner Alliance

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