ADVANTECH

Enabling an Intelligent Planet

Ultra Slim Bezel HMI Series

- All-in-One HM
- Modular HMI
- Industrial Monitor

AMC

ADVANTECH iAutomation Premier Partner

intel partner Titanium IoT Solutions

Vertrieb durch AMC

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Advantech HMI Series

All-in-One HMI Series

Modular HMI Series

Industrial Monitor

Application

Slim Bezel

Slimmer · Simpler · Smarter

Advantech HMI Series Supports Ultra Narrow Bezels

Seemless integration into any environment

Variety of sizes for every need

Better user visual experience

Multi-touch panel for convenience control

50%

Bezel Reduce

Slim Bezel

AMC

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Advantech HMI Panel PC Series

All-in-One HMI

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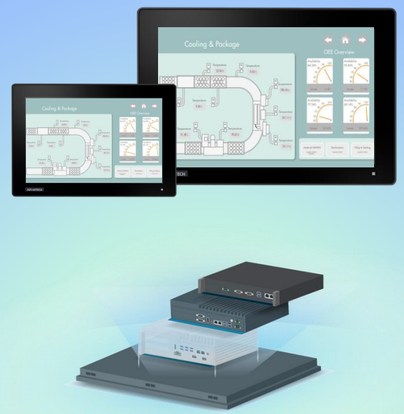

Modular HMI

intel partner Titanium IoT Solutions

Industrial Touch Monitor

Slim Bezel

All-in-One HMI Panel PC

PPC-300S RPL Series

12"/15"/17" P-CAP/ resistive touch panel
Intel® Core™ processors (13th Gen)

- SODIMM DDR5 x1, Max. 32GB
- COM x 2, USB x 4, Line-out x 1, LAN x 2
- TSN & TPM & 5G support
- iDoor slot x 1, PCI/PCIe expansion x 1 (optional)

PPC-300 ADL-N Series

15.6"/18.5"/21.5" P-CAP touch panel
Intel® Processor N97

- SODIMM DDR5 x1, Max. 16GB
- COM x 2, USB x 4, Line-out x 1, LAN x 2
- TSN & TPM & 5G support
- iDoor slot x 1, PCI/PCIe x1 expansion (optional)
- Wide operating temperature range -20 ~ 60°C (by request)

TPC-310W EHL

10" P-CAP touch panel
Intel Atom® X6425E processor
Intel® Celeron® processor J6412

- SODIMM DDR4 x1, Max. 16GB
- COM x 2, USB x 4, Line-out x 1, LAN x 2
- TPM support
- PCIe expansion (optional)
- Wide operating temperature range -20 ~ 60°C

Slim Bezel

Modular HMI Panel PC

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Advantech Modular HMI enables the computing box module to be easily combined with display modules of various sizes, allowing for flexible customization based on specific applications.

1 Choose Panel Modules

60°C -20°C IP66

2 Choose HMI Modules

60°C -20°C IP66

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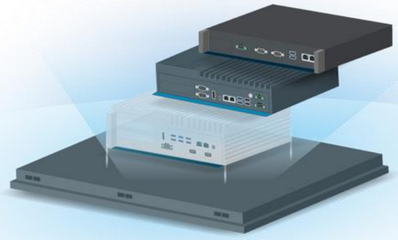

Slim Bezel

Modular HMI Panel PC

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FPM-Sxx Series

15.6"/18.5"/21.5" Panel Sizes

- Built-in Clamp
- Supports ENERGY STAR8.0
- IP66 water-proof front panel

Phase in Dec.2024

TPC-B520

13th Gen Intel® Core™ Processors

- SODIMM DDR5 x1, Max. 32GB
- M.2 expansions for iDoor, NVMe SSD, Wi-Fi 6, and 5G LTE
- Triple display capability with panel modules, display port and Type-C (DP)
- Windows 10/11 and Linux

TPC-B520L

Intel® Core™ i3-N305 Processor

- SODIMM DDR5 x1, Max. 16GB
- M.2 expansions for iDoor, SATA SSD, Wi-Fi 6, and 5G LTE
- Triple display capability with panel modules, display port and Type-C (DP)
- Windows 10/11 and Linux

TPC-B300

Intel Atom® X6425E Processor Intel® Celeron® Processor J6412

- SODIMM DDR4 x1, Max. 32GB
- M.2 expansions for NVMe SSD and Wi-Fi
- 1 x mPCIe for iDoor expansion

Slim Bezel

Industrial Touch Monitor

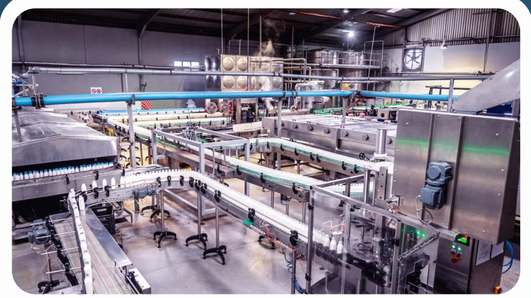
FPM-710SW

10.1" WUXGA TFT LED LCD with true-flat touch panel

- IP66 water proof
- Slim design enables easy installation
- Supports various mount options: panel, desktop, and VESA
- Lockable I/O connectors
- Supports one cable to connect USB and Type-C

Phase in Dec.2024

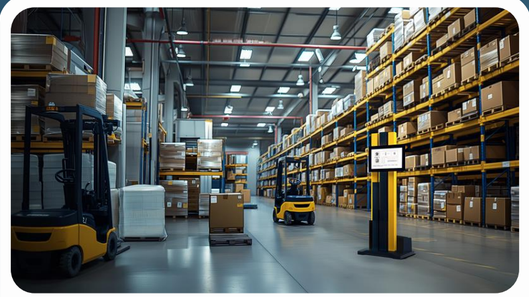
Applications



Equipment Manufacturing

Semiconductor Production Lines

Automotive Factory



Warehouse Automation

Pharmecutical

Transportation

ADVANTECH

Slim Bezel

Industrial Touch Monitor

FPM-710SW

10.1" WUXGA TFT LED LCD with true-flat touch panel

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Phase in Dec.2024

Case Study

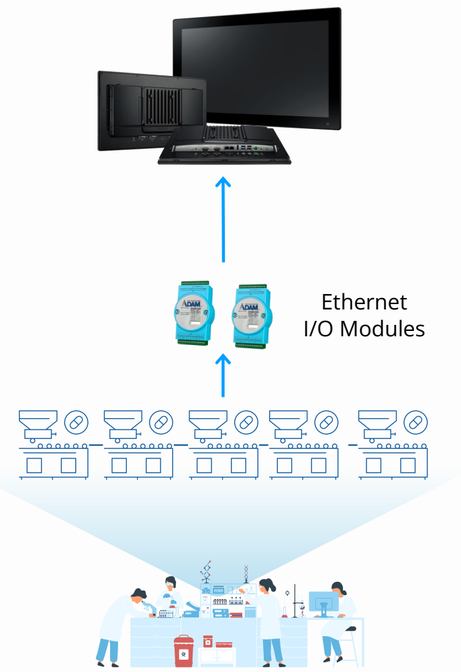
Implementation of HMI in Pharmaceutical Packaging

Challenges

- In pharmaceutical packaging facilities, HMI is essential for maintaining high standards of safety and cleanliness.
- HMI streamlines operations and enables precise control over machinery. Their user-friendly interfaces are easily sanitized and designed to resist harsh disinfectants.

Solution

- HMIs are crucially integrated with industrial automation systems through gateways, facilitating seamless communication and control.
- This setup allows for real-time data analysis and swift operational adjustments, providing centralized control and monitoring, which are vital for maintaining high cleanliness and precision in pharmaceutical manufacturing.



Case Study

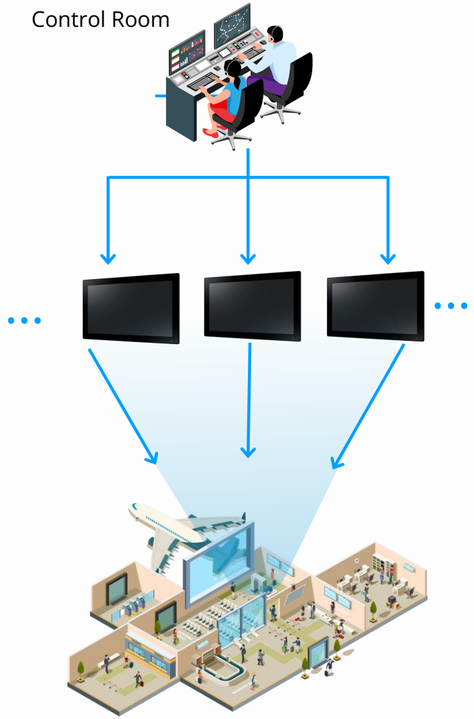
Optimizing Airport Operations and Passenger Experience

Challenges

Airports need to deliver real-time flight information across their vast spaces and maintain cleanliness in environments like restrooms. To address these challenges, airports require a network of HMI systems with various screen sizes and high-performance CPUs for 24/7 operation. These systems enhance the overall airport experience.

Solution

- Advantech offers a wide range of HMI solutions with various screen sizes and CPU options, from basic to high-end computing power, to meet customer needs in diverse environments.
- Advantech's HMIs are built to industrial-grade standards, ensuring reliable and dependable product quality. This design guarantees long-term stable operation, eliminating concerns about system failures that could negatively impact customer experience.



Case Study

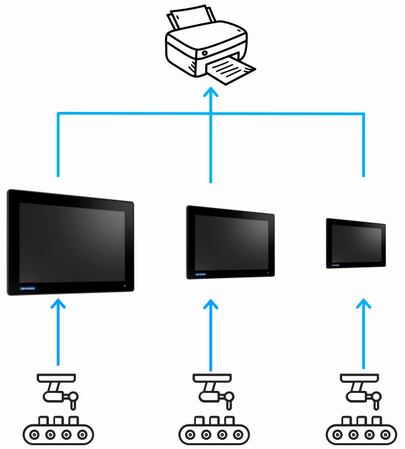
Lithium Battery Company Explores Production Line Upgrades with HMI

Challenges

- The company makes lithium-ion batteries and power management systems and is an advanced and leading domestic manufacturer.
- The business is expanding and looking for a flexible, modular design for their constantly expanding production lines.
- Seeking advanced, high-quality, and brand-recognizable HMI products.

Solution

- The product-line machine with Advantech HMI for viewing production information and traceability.
- Advantech HMI offers multiple PCIe slots which allows the system to be expanded to allow diverse IO such as DI/DO to meet the requirements of different production lines.



Case Study

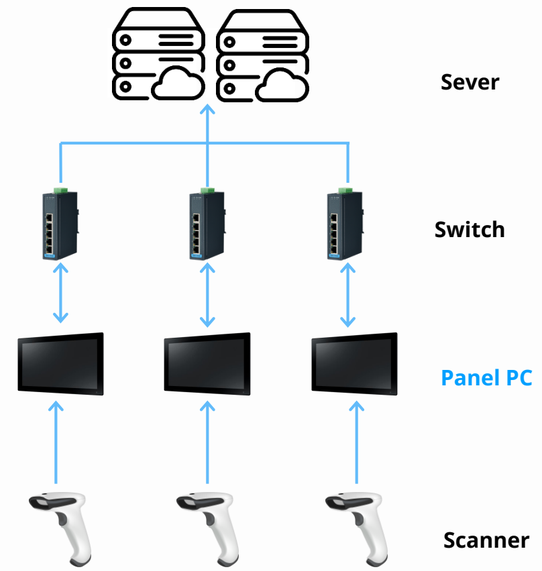
The Role of HMI as a MES Workstation

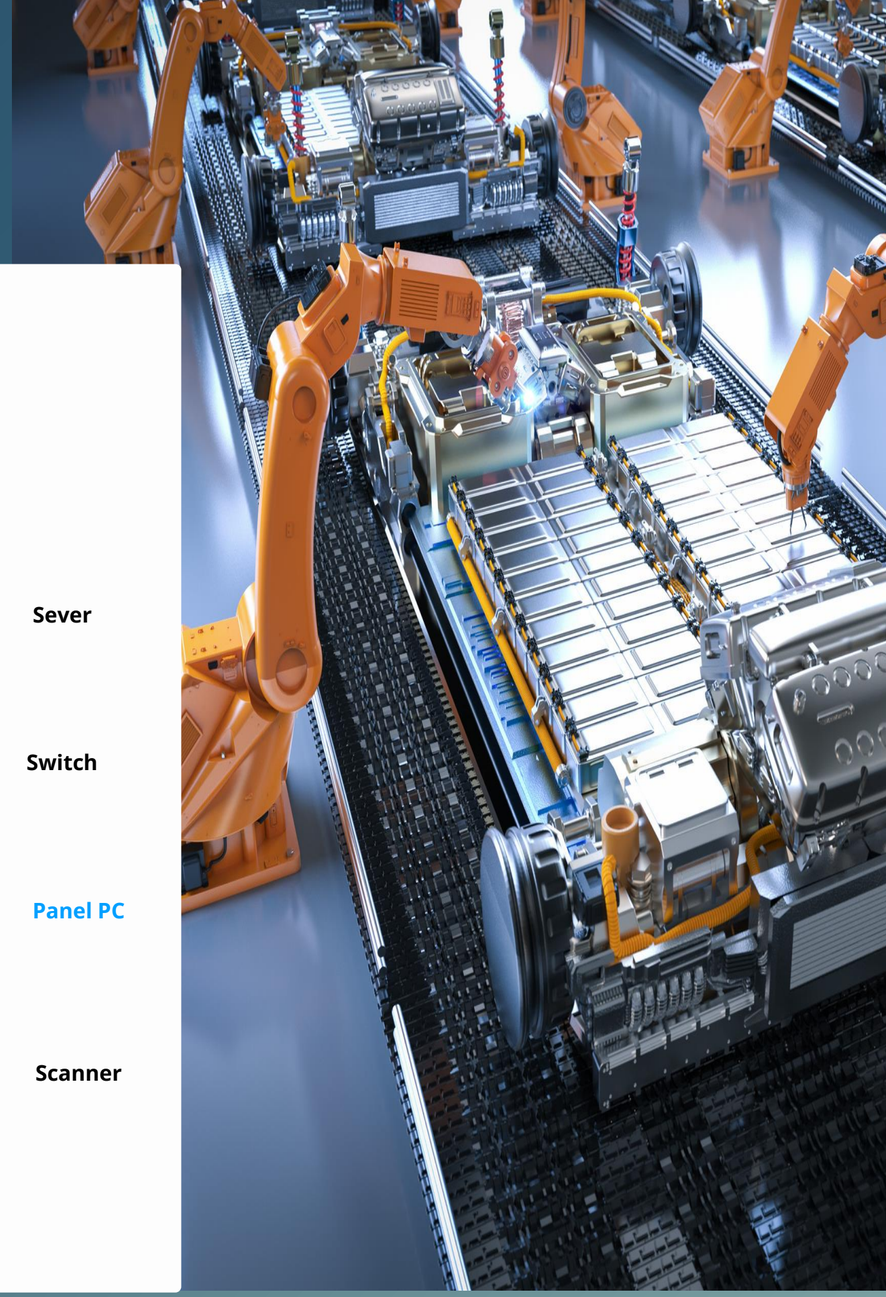
Challenges

- MES is a critical system for the automobile industry, where there is minimal tolerance for errors. As a result, ensuring machine stability at production stations is essential.
- The customer was looking for high stable and reliable HMI system that can be adapted to meet any production requirements.

Solution

- Advantech HMI has a high degree of industrial design to reduce the impact of anti-interference on the automobile production line.
- Advantech HMI operated as an MES workstation, in which workers can directly implement actions such as reporting, dispatching, deploying work instructions, and scanning codes on the computer.





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