Advantech Automation Panel

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Next-Generation Human Machine Interface with True Flat Touch and Intelligent Keys



Enabling an Intelligent Planet





Advantech Automation Panels

Next-Generation Human Machine Interface with True Flat Touch and iKeys



16:9 Wide Screen Format with Multi Touch

The 16:9 widescreen format increases the viewing area by 40% compared to traditional 4:3 displays, thereby enhancing the management and display of information. The integration of multi-touch functionality enhances operational safety by enabling two-point key confirmation.



Magnesium Alloy Front Panel

Advantech's 18.5/21.5" automation panel computers that feature a magnesium alloy front panel weigh 35% less than the aluminum alloy models.



IP66-Rated True Flat Touchscreen

In addition to IP66 certification for dust and water resistance, Advantech's automation panel computers feature a true flat P-CAP/resistive touch screen with an anti-scratch surface of 7H hardness to prevent accidental scratches due to extreme handling.



Easy Installation \

Equipped with a unique snap design, Advantech's automation panel computers can be installed by a single person, thereby speeding up the installation process.



Intelligent Keys and Customizable UI

With the inclusion of intelligent keys, Advantech's TPCs provide an intuitive GUI that saves time by simplifying operations. Customers can easily customize their UI using the updated SDK and APIs available on Advantech's website.



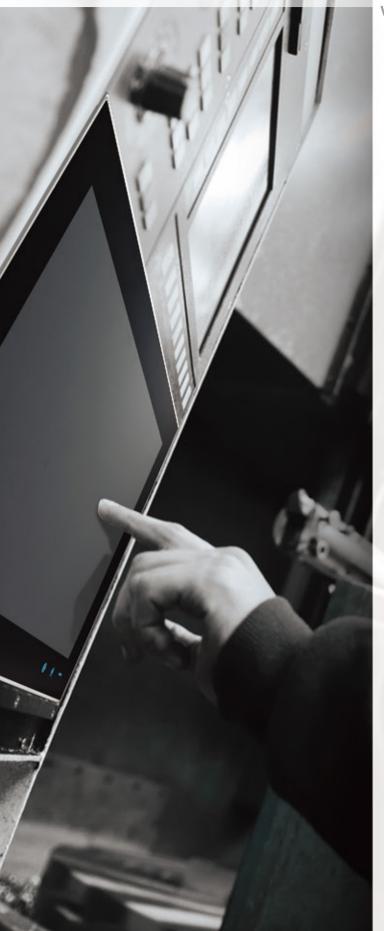
Boot on Touch Capability

Advantech's touch panel PCs support boot-on-touch functionality for easy and convenient operation.



Supports VESA Arm Mount ****

With support for a standard 100 x100 mm VESA arm mount, Advantech's SPC are suitable for diverse applications, such as automobile production operations.



Advantech's new Automation Panel Computer include several new models in the Touch Panel Computer(TPC), Stationary Panel Computer(SPC) and Industrial Monitor(FPM) range of devices, all of which come with true flat style by 16:9 multi-touch displays or 4:3 5W resistive touch, high-performance Multi-core processors and IP66 certified front panels making them more elegant and fit for smart factory. Furthermore, Automation Panels integrated several S/W solution to empower applications and fit to the IIoT era, make the solutions with high efficiency, reduce the cost of production and provide factory workers with more intuitive management of the production line.











Multiple I/Os with M12 Connector

Advantech's SPC computers offer diverse I/O, including COM, USB, 1000 Base-T LAN, HDMI, Audio In, and M12 connection ports.



Supports iDoor Technology

With Advantech's iDoor technology, customers can integrated peripherals and expand the system functions via the diverse I/O. The iDoor modules available include a Fieldbus protocol, memory expansion and storage, digital and analog I/O, WAN, Wi-Fi-based MAN and LAN communication, GPS, GPRS, and LTE modules.



Stainless Steel Unit with IP69K Rating

The stainless steel unit housing with IP69K certification ensures ease of maintenance and cleaning, making the device suitable for use in hospitality, clinical, and pharmaceutical laboratory applications.



Fanless Intel® Core™ i CPU \

Equipped with a powerful CPU processor, Advantech's automation panel computers offer advanced computing and graphics performance for computationally intensive processes.

Intelligent Software

Advantech WebAccess

WebAccess/SCADA

Advantech WebAccess is a 100% web-based SCADA software platform that provides open interfaces for developing IIoT applications aimed at various vertical markets. WebAccess features an intelligent dashboard that offers cross-platform, cross-browser data analysis and an intelligent UI using HTML5 technology. WebAccess also supports Widget Builder, which allows customers to build their own widgets.



Wise-PaaS/RMM

WISE-PaaS/RMM

As part of Advantech's WISE-PaaS cloud solution, WISE-PaaS/RMM enables remote device management and monitoring by providing centralized management features, including HW/SW status monitoring and remote device control. WISE-PaaS/RMM utilizes the standard IoT protocol (MQTT) to communicate with IPCs, IoT gateways, and sensors to thereby provide the WISE Agent framework for data acquisition. Additionally, WISE-PaaS/RMM supports RESTful API web service, allowing users to integrate RMM functions with other applications.

WebAccess/HMI

WebAccess/HMI

WebAccess/HMI is a powerful and intuitive software platform for creating total HMI solutions for diverse application fields. As an easily integrated development tool, WebAccess/HMI guarantees reliability and open access due to minimal system overheads, high data communication rates, sub-second screen switching capability, and capacity for 24/7 operation.



Data Collection



Unlimited Internal Points



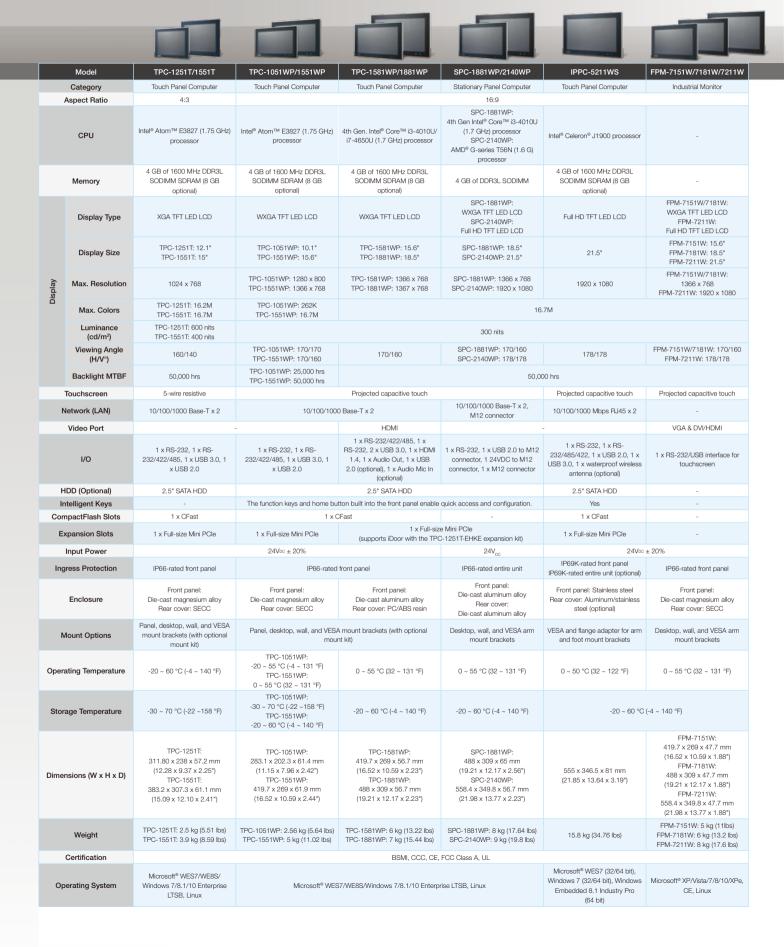
450 Protocols



Over 50 Screen Objects



Supports 16 Communication Links



Advantech's Innovative Design Concept - Simple, Flexible, and Reliable

As a leading provider of industrial PCs, Advantech is committed to continual product innovation and service development. Advantech's pioneering intelligent automation "i" technology concept emphasizes intelligent, integrated, and intuitive designs that innovate existing service models, user behaviors, and technology trends for the new era of industrial automation.



The integration of an intuitive and intelligent key simplifies automation panel configuration, while the flexible software design ensures easy and convenient customization.



This standardized modular interface enables flexible expansion by supporting numerous applications and extended system functions through a wide range of I/O.



This reliable long-distance transmission technology transfers video signals and touch control commands over a single Ethernet cable, overcoming the inherent interference of harsh environments to ensure connectivity and provide a cost effective multi-display solution.

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