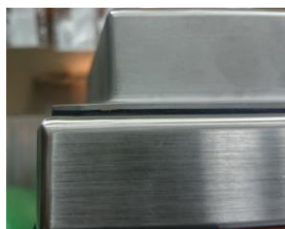# Wincomm IP69K Flat P-Cap Stainless Panel PC for Food Processing Industries

Fully sealed IP69K rated Stainless housings for reliability against high pressure, high temperature wash downs

With Wincomm's focus on designing strong rugged industrial computers, IP rated water and dust proofing has been a mainstay in our philosophy, which is exemplified through the technology needed for the IP69K Flat P-Cap Stainless Panel PC series. Designed as a machine controller or operator control PC for applications with high hygienic requirements such as the food and beverage or chemical processing industries, the IP69K WTP series is built to withstand extensive wash downs with corrosion resistance against cleaning agents, especially against close-range high-pressure, high temperature wash downs. This level of protection allows for easy cleaning and sterilization using water with temperatures of up to 80°C and pressure of up to 30 Bar. Available with a high-performance Intel Core i5-7200U Kaby Lake and Celeron J1900 processor, the stainless steel series allows for powerful computing in a reliable package that goes beyond that of a standard industrial panel computer.

The fine out-looking design without any gap between full flat touch panel and cover, and even between rear cover to front cover, makes zero residual contamination generated. Heatsink is enclosed within case, so that rear cover is easily clean. A great art work design fits in rugged food processing environment and thus cheers up people working on that environment with EMC class B certified to secure operators' health.

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The specially designed housing for this IP69K Stainless Steel WTP series is made from SUS304 stainless steel to resist against corrosion and liquids with a true flat, easy to clean edge-to-edge front surface. This true flat front side prevents the build up of any particles on the bezels that might be found on standard monitors which makes it harder to clean thoroughly for complete sterilization. M12 water proof connector material can be changed to SUS304 stainless steel which has much better acid resistance than that of zinc alloy connector. With air venting design that exhaust hot air for air pressure balance to avoid stainless steel case deformation, and avoid moisture from the housing allows for fully 100% waterproof to dustproof protection against any sort of washdowns during the cleaning process.

In order to keep hygiene, periodical cleaning is crucial is some applications ; for avoiding touch screen accidental operation, operator may need to shut down system during cleaning. To avoid accidence and save time, WTP series support touch screen on/off, touch can be disable during cleaning and be enabled after touch lock time is up.

Wincomm IP69K WTP series support wireless solution with PCB type antenna and robust cover which makes it easy clean and no avoid damage with easy clean versus space saving benefits. Compared to traditional wireless dipole antenna, end user may damage antenna during clean and hard to clean dirt in antenna base. We bring our core competence and experience in every detail to the design of our products, providing stable and reliable products to our customer. Toward sensible integration on industrial automation, it is required high speed data communication without data loss to inspect products quality and higher computing power to increase workload efficiency. Therefore, Wincomm adopted USB 3.0 connector as an option with Kaby Lake Processor to secure highly communicated without any data loss, and maintain IP66/69K design to fulfill versatile harsh

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environment requirement.

End user may use a COM interface device, such as barcode scanner, which needs COM plus DC power from PC via single cable to operate. The way COM cable works is that a serial connection does not use all its pins in the interface with a COM cable. Therefore, Wincomm customizes the mother board with a 5V or 12V power supply in COM port.

More design features, such as to keep data safe, the 2nd HDD bay can be integrated for preventing data loss if the master HDD crashed, and downward external IO to minimized installation space requirement with wall mount, table mount stand availability.

	WTP-9E66-XX	WTP-8B66-XX
CPU	Intel® Kaby Lake / Skylake	Intel® Bay Trail
Display	15", 19", 22", 24"	10", 15", 19", 22", 24"
Touch	Full Flat Resistive touch, optional PCT Touch Screen IP69K	
Storage	2.5" SATA HDD, customized second HDD	
I.O.	✓ IP69K USB3.0 connectors as option ✓ USB Up to 4, COM x 2, LAN x 1, optional External LAN x 2 (occupied one COM port) ✓ Optional 2W/5W Speaker ✓ COM + Power 5V or 12V	
Mechanical	✓ Stainless grade from SUS304 to SUS316 ✓ Wide operating temp. from -20 to 50 ℃ for 10", 15" and 19" ✓ IP67 Power Adapter	

If you have any product or customization requirements, please contact Wincomm sales (mail: sales_support@wincomm.com.tw). For more product information, please visit the Wincomm website at http://www.wincomm.com.tw/

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