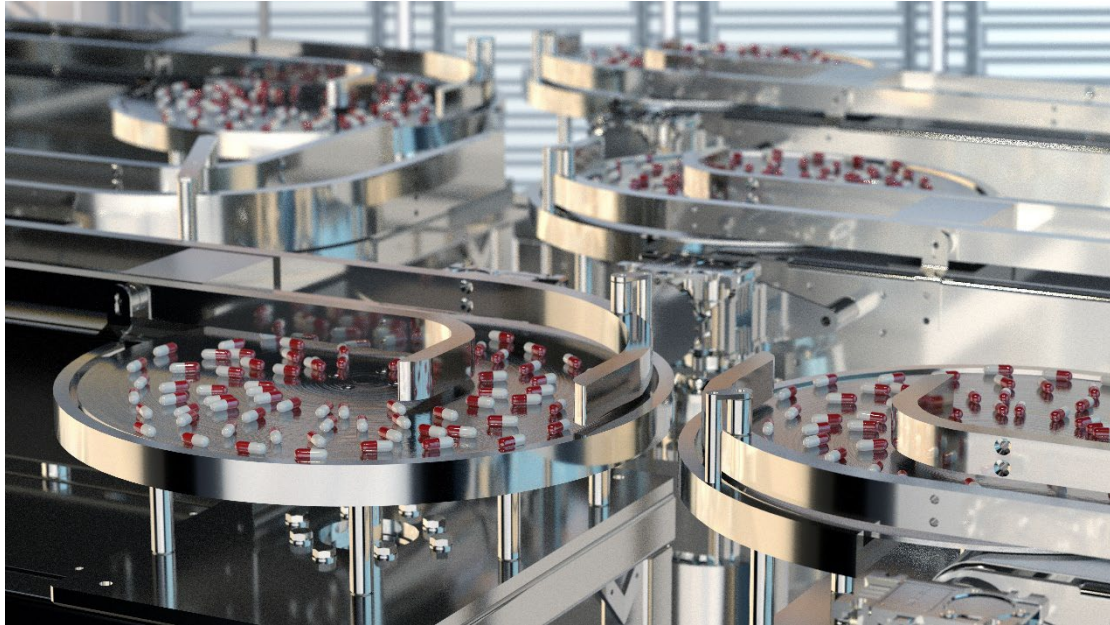


## Pharmaceutical Process Control Solutions



- **Background**

Maintaining high standards of hygiene has always been important in any facilities, such as food and pharmaceutical processing plants, that are involved in the manufacturing and/or processing of anything – food, drinks, or drugs – that will ultimately be ingested by human beings or injected or inserted into them. Further exacerbating the problem is the current COVID-19 pandemic, which requires all personal – managers, technicians, workers, maintenance, and janitorial staff – to wear masks, practice social distancing, and maintain personal hygiene including the regular washing of hands.

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 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 i processor and compact Intel

Celeron processor, the stainless steel series allows for powerful computing in a reliable package that goes beyond that of a standard industrial panel computer.

### • Pain Points

#### ■ Monitor the environment to suit for pharmaceutical processing

The entire facility can also be equipped with a wide variety of microelectromechanical systems (MEMs) sensors so as to monitor things like temperature and humidity. Using this data coupled with their machine vision capabilities, the smart control systems can verify that consumables and pharmaceuticals are not left sitting in unsuitable environments for longer than recommended durations.

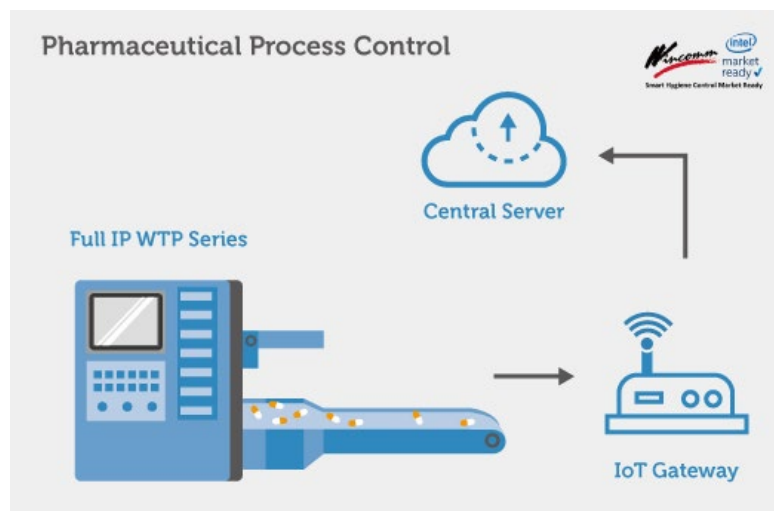
#### ■ Maintaining Clean and Sterile Environments

Multiple product recalls over the past few years – in conjunction with the current COVID-19 pandemic – have driven increasing awareness of the importance of hygiene in manufacturing and processing plants. As a result, there is now a requirement in pharmaceutical manufacturing and processing facilities for strict adherence to ingress protection (IP) against solids and liquids.

#### ■ Hygiene Control is Required the Standard – Waterproof & Dustproof

A rating of IP66 is fairly common and adequate for many pharmaceutical manufacturing and processing applications.

### • Wincomm Solution



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.

To avoid accident and save time, WTP series support touch screen on/off, touch can be disabled 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. 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 3.0/2.5G LAN/5G as an option with up to the latest version processor to secure highly communicated.

For more product information, please visit the Wincomm website at <https://www.wincommusa.com/Stainless-Steel-Panel-PC.html>