



IoT Solutions  
Alliance



Full IP | [www.wincomm.com.tw](http://www.wincomm.com.tw)

# Full IP Series

## Stainless Steel ePlatform Solutions

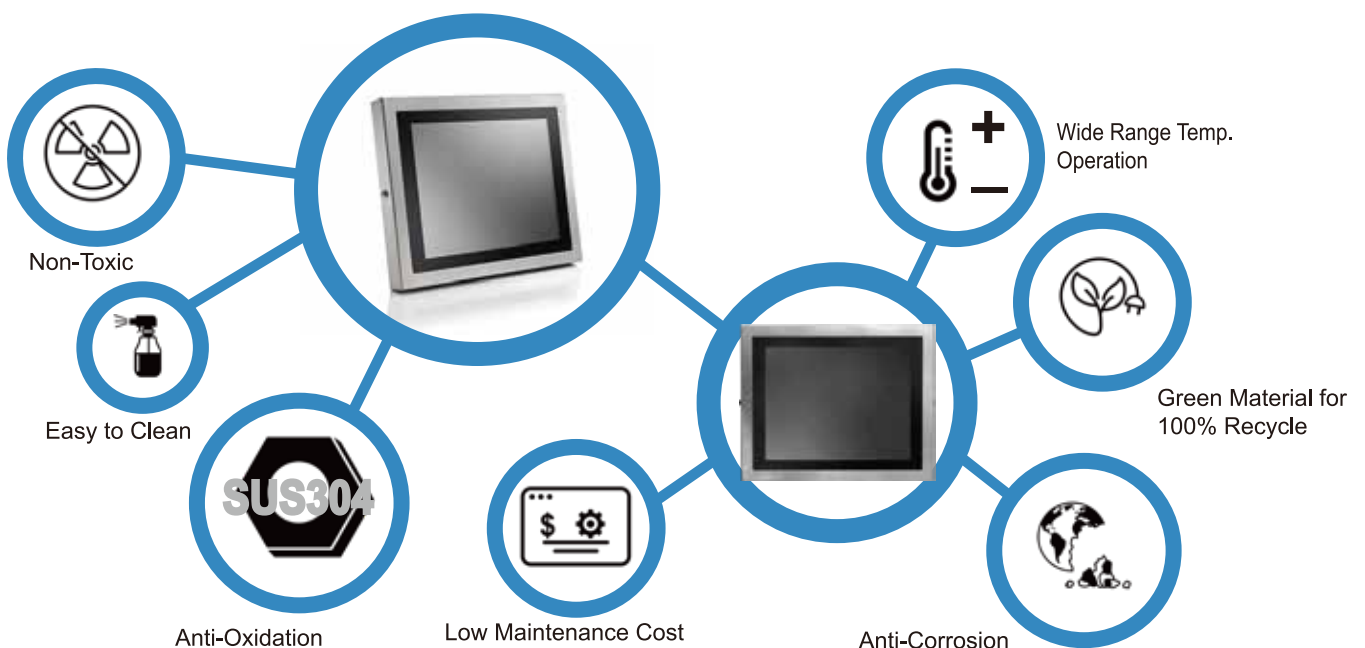


## Full IP66/ 67/ 69K Reliable Stainless Steel Panel PCs

The industrial-grade stainless steel panel PC series are built to suit for challenging environments, undergoing rigorous testing to ensure safety and top performance. All of the models in the stainless steel series are sealed to at least IP66 standards, and the Stainless Steel IP69K Panel PC, is sealed to IP69K offering the best solution for environments with hygienic considerations. Featuring at full flat resistive touch, chassis mount with downward I.O to save installation space, Wincomm stainless steel panel PCs and display go beyond that of the standard industrial panel computes with elegant, rugged construction, powerful performance, and flexible mounting options making it ideal for machine controller, command centers, enabling rapid communication, and fast, efficient computing. The IP69K Stainless Steel Panel PC works well in food, beverage, pharmaceutical industry, including chemical manufacturing and other industrial applications. Wincomm takes our users concern and all applications are designed to be WTP series. The further information is illustrated below:

USB 3.0 ready Water proof speaker as operation COM+power 5V/ 12V for customization <b>Expansion Design</b>	 Size from 10" to 23.8" TFT LCD <b>Full Range of LCD Size</b>	IP67 / IP69K Waterproof Touch on/off for hygienic cleaning 24/7 Operation without limitation Stainless steel housing <b>Harsh Environment Solution</b>	Customization service Warranty and longevity supporting CE VCCI FCC Class B <b>High Quality &amp; Customize Service</b>
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## Stainless Steel Benefits



## Stainless Steel Panel PC Design Benefits

### Full IP66/ 67/ 69K

With protective glass installed with the front panel, it is completely protective from water and dust

Water/dust proof  
**100% Guarantee**



### IP69K True Tested Report

WTP series achieve IP69K waterproof standard through high pressure and hot steam cleaning test.

### Easy Clean & Robust Wireless Antenna

While a traditional wireless dipole antenna can be damaged by the user during cleaning, we supports wireless solution with a PCB type antenna and a heavy-duty cover which makes it easy to clean and undamageable in harsh environments.

### Intel High Performance CPU



### Downward M12 Metal Connctors

Wincomm adapted the connectors downward to meet requirements in most food factories.



### Full Flat Touch



i-cooling

### i-Cooling Smart Thermal Control

With Wincomm innovation, i-Cooling, the CPU will be highly effective work after long-term operating.

Speaker

### Water Proof Speaker Available

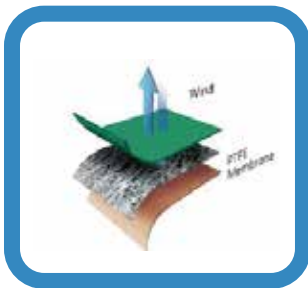
We provide customizing service to integrate 3W or 5W speakers and keep system dust/water proof .



IP68 Adapter



## Features Highlight



### Powerful thermal solutions with stable CPU operation

1. Fanless cooling by high heat efficiency heat pipe and large heat dissipation heatsink, optimal MB power design to maximize power efficiency and minimize heat generation.
2. PTFE ventilation film to exhaust hot air for air pressure balance to avoid stainless steel case deformation; enclosure IP grade is still effective.



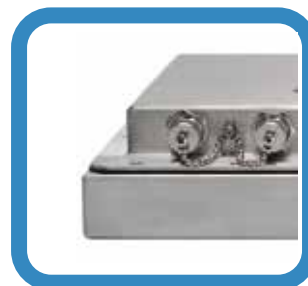
### Extremely environment solution

24/7 operation under -20~60°C & high brightness LCD without limitation



### Saving space by downward I/O design

With minimized outside dimensions and downward external IO, it doesn't occupy but saving space.

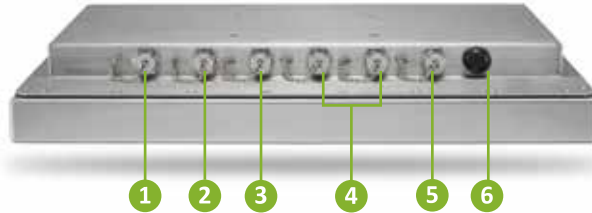


### 100% water/ dust proof

No gap housing design and IP66/69K with M12 connector reach 100% water/dust proof, and all products are 100% vacuum pressure verified before shipping out.

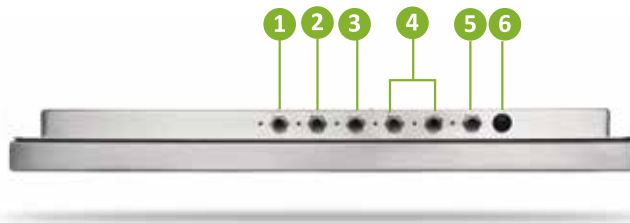
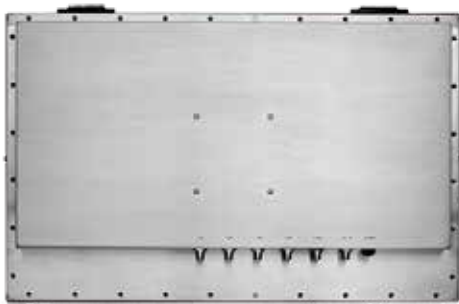
## WTP Panel PC Series

WTP-8J66-15W



- 1 Giga LAN
- 2 USB 1/2
- 3 USB 3/4
- 4 COM x 2
- 5 DC-in
- 6 Power on/off

WTP-9H66-24



- 1 Giga LAN
- 2 USB 1/2
- 3 USB 3/4
- 4 COM x 2
- 5 DC-in
- 6 Power on/off

## Stainless Steel PC Series Selection Guide

Category	Core i	Elkhart Lake	Wide Temp.		Monitor	Embedded PC
Model	WTP-9H66 XX	WTP-8J66 XX	WTP-9H66-XXW	WTP-8J66-XXW	WTD-XX	WTC-9H0
Panel Size	15" · 19" · 22" · 24"	15" · 19" · 22"	15" · 22"	15" · 19" · 22"	15" · 19" · 22"	-
Touch Screen	Full Flat 5-wire Resistive Touch, Optional P-cap Touch (Panel Size 24" default P-cap touch)					-
System CPU	Intel® Alder Lake-P	Intel® Elkhart Lake J6412	Intel® Alder Lake-P	Intel® Elkhart Lake x6413E	-	Intel® Alder Lake-P
Memory	DDR4 up to 64G	DDR4 up to 32G	DDR4 up to 64G	DDR4 up to 32G	-	DDR4 up to 64G
System Storage	512GSSD		128G SSD		-	128G SSD
OS Support	Win 10 / Win 11				-	Win 10 / Win 11
Certification	CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003					



10"



15"



19"



22"



24"

WTP Panel PC Series															Full IP Monitor Series			Full IP Embedded PC Series		
Product Name	WTP-9H66-XX								WTP-8J66 XX						WTD XX			WTC-9H0		
	15	19	22	24	*15W	*19W	22W	*24W	15	19	22	15W	*19W	*22W	15	19	22	-		
Display																				
Size	15"	19"	21.5"	23.8"	15"	19"	21.5"	23.8"	15"	19"	21.5"	15"	19"	21.5"	15"	19"	21.5"	-		
Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)		1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)		1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)		1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)		1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	
Color Numbers	16.2M		16.7M		16.2M		16.7M		16.2M			16.7M						-		
View Angle (H/V)	160/150		170/160		178/178		160/150		170/160		178/178		160/150		170/160		160/160		170/160	
Contrast	800:1		1000:1		3000:1		800:1		1000:1		3000:1		800:1		1000:1		600:1		1000:1	
Brightness (nits)	350		250		350		250		350		250		450		TBD		450		350	250
Touch Panel & IO																				
Type	Full Flat Resistive Touch (Full Flat P-cap Touch for option)		P-cap Touch	Full Flat Resistive Touch (Full Flat P-cap Touch for option)		P-cap Touch	Full Flat Resistive Touch (Full Flat P-cap Touch for option)												-	
USB	1 x M12 8pin for USB 1/2 1 x M12 8pin for USB 3/4 1 x USB 3.2 Gen2			1 x M12 8pin for USB 1/2 1 x M12 8pin for USB 3/4			1 x M12 8pin for USB 1/2 1 x M12 8pin for USB 3/4			1 x M12 8pin for touch screen			1 x M12 8pin for USB 2.0 1/2 1 x M12 8pin for USB 2.0 3/4							
COM	2 x M12 8pin (RS-232/422/485)						2 x M12 8pin (RS-232)			1 x M12 8pin (RS-232) 1 x M12 8pin (RS-232/422/485)			Video: VGA X 1 HDMI 1.4a x 1			2 x M12 8pin (RS-232/422/485)				
LAN	1 x M12 8pin for LAN															-	1 x M12 8pin for LAN			
Main System																				
CPU	Intel® Alder Lake-P Core i5/i7						Intel® Elkhart Lake J6412			Intel® Elkhart Lake x6413E						Intel® Alder Lake-P Core i5/i7				
Memory	DDR4 up to 64G						DDR4 up to 32G												-	DDR4 up to 64G
Chipset	MCP						Soc												-	Soc
OS support	Windows 10 / Windows 11																		-	Windows 10 / Windows 11
Storage & Expansion																				
Storage	2.5" SATA HDD drive bay M.2 M Key for SSD									2.5" SATA SSD drive bay									-	2.5" SATA HDD drive bay M.2 M Key for SSD
Expansion slot	1 x M.2 Key B, 1 x SIM socket, 1 x M.2 Key E						1 x PCIe1, 1 x M.2 Key E 1 x M.2 Key B, 1 x SIM socket			1 x M.2 Type E PCIe						-	1 x M.2 Key B 1 x M.2 Key E			
Mechanical & Environmental																				
Weight (kg)	8.4	11.5	12	14.8	8.4	11.5	12	14.8	8.4	11.5	12	8.4	11.5	12	7.5	10	11	6		
Operating Temp.	0~50°C (SSD)				-20~60°C				0~50°C (SSD)				-20~60°C				-10~55°C		0~50°C	0~40°C (SSD)
IP rating	IP66/ NEMA4X/ IP69K																			
Cooling	Fanless																			
Power																				
Power Input	DC 12~28V									DC 12V									-	DC 12~28V
Power Adapter	AC 100~277V															AC 90~264V			AC 100~277V	
Power Consumption	TBD																		-	

\* By project support.

# About Wincomm Corp.

Wincomm is one of Taiwan's leading manufacturer of industrial computer and embedded computer products. Wincomm designs and develops all in one panel PC, large size all in one digital signage system, rugged box PC and embedded software products for a broad range of industries and applications. Wincomm aims to provide hardware and software integrated solutions for the most variant environments such as industrial automation/ human machine interface control, digital signage / infotainment Kiosk, and medical computing.

## Application



Smart Pharmaceutical



Smart Iron and Steel Manufacturing



Smart Food Processing



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