



Full IP | www.wincomm.com.tw

Full IP Series

Stainless Steel ePlatform Solutions

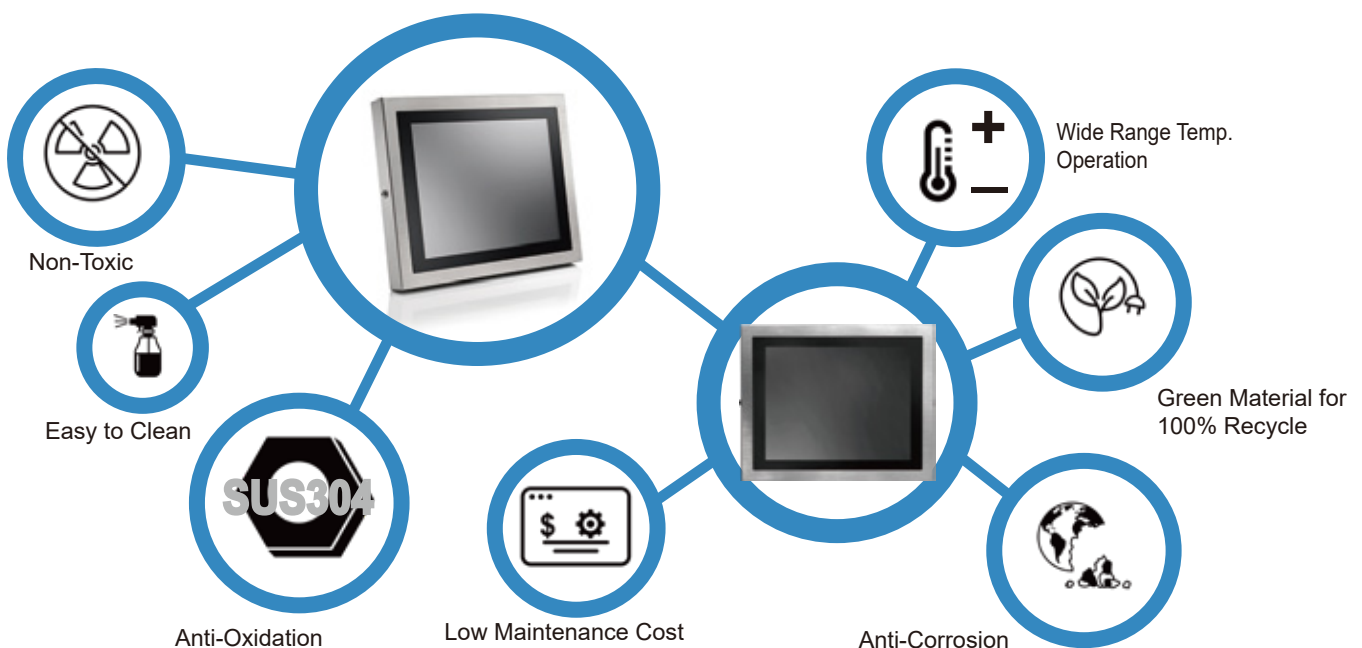


Full IP66/ 67/ 69K Reliable Stainless Steel Panel PCs

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 IP65 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 Expansion Design	 Size from 10" to 23.8" TFT LCD Full Range of LCD Size	IP67 / IP69K Waterproof Touch on/off for hygienic cleaning 24/7 Operation without limitation Stainless steel housing Harsh Environment Solution	Customization service Warranty and longevity supporting CE VCCI FC Class B High Quality & Customize Service
---	---	--	---

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 Smart Thermal Control

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



Water Proof Speaker Available

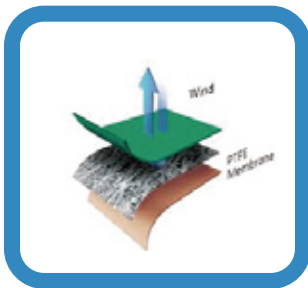
We provide customizing service to integrate 2W or 5W speakers and keep system dust/water proof .



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.



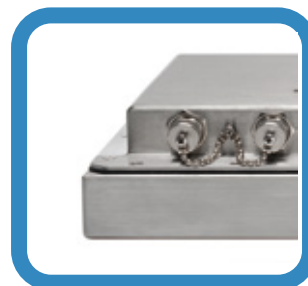
Extremely environment solution

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.

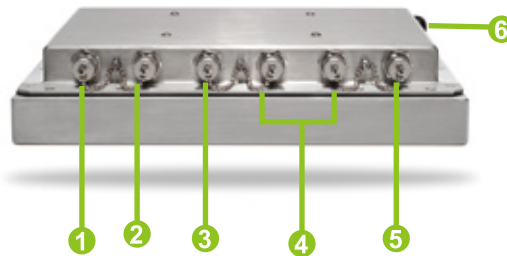
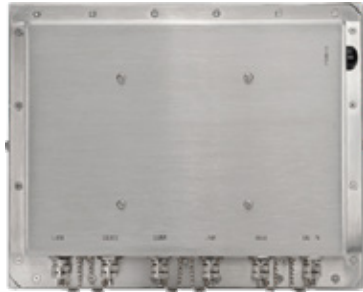


100% water/ dust proof

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.

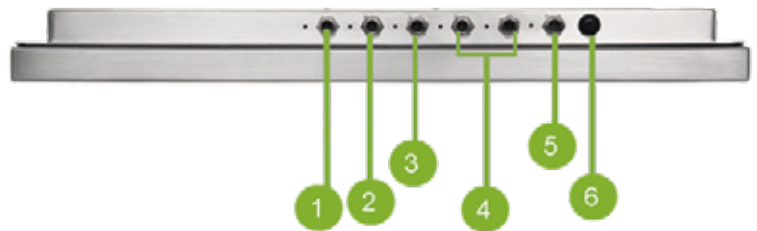
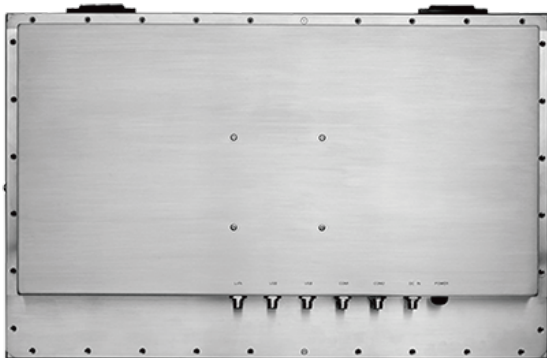
WTP Panel PC Series

WTP-8B66-10W



- 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	Apollo Lake	Bay Trail	Wide Temp.		Outdoor
Model	WTP-9H66 XX	WTP-9G66 XX	WTP-9E66 XX	WTP-8J66 XX	WTP-8D66 XX	WTP-8B66 XX	WTP-9E66 XXW	WTP-8B66 XXW	WTP-8B66-15O
Panel Size	15" · 19" · 22" · 24"	15" · 19" · 22" · 24"	15" · 19" · 22" · 24"	15" · 19" · 22"	15" · 19" · 22"	10" · 15" · 19" · 22" · 24"	15" · 19" · 22" · 24"	10" · 15" · 19"	15"
Touch Screen	Full Flat 5-wire Resistive Touch, Optional PCT (Panel Size 24" default P-cap touch)								
System CPU	Intel® 12th Gen Alder Lake-P MCP Processors, 15 W	Intel® Whiskey Lake	Intel® Skylake / Kaby Lake	Intel® Elkhart Lake J6412	Intel® Apollo Lake	Intel® Bay Trail	Intel® Skylake / Kaby Lake	Intel® Bay Trail	
Memory	up to 64G	up to 32G	up to 32G	up to 32G	2G/ 4G/ 8G		2G/ 4G/ 8G/ 16G	2G/ 4G/ 8G	2G/ 4G/ 8G
System Storage	500G HDD	500G HDD	500G HDD	500G HDD	500G HDD	64G SSD/ 320G HDD/ 500G HDD	128G SSD		
OS Support	Optional Win 10 / Win 11	Win7/ Win8 / Win10	Win7/ Win8 / Win10	Win 10 / Win 11 (Option)	Win 10	Win7/ Win8 / Win10			
Certification	CE (EMC) FCC Class B, Canada ICES-003, VCCI Class B	CE(EMC), VCCI, FCC Class B		CE (EMC) FCC Class B, Canada ICES-003 VCCI Class B	CE(EMC), VCCI, FCC Class B				

Full IP Product Selection Guide



WTP Panel PC Series																												WTP Monitor Series																																				
Product Name	WTP-9H66 XX				WTP-9G66 XX				WTP-9E66 XX								WTP-8J66 XX			WTP-8D66 XX			WTP-8B66 XX								WTD XX																																	
	15	19	22	24	15	19	22	24	15	19	22	24	15W	19W	22W	24W	15	19	22	15	19	22	10	15	19	22	24	10W	15W	19W	150	15	19	22																														
Display																																																																
Size	15"	19"	21.5"	23.8"	15"	19"	21.5"	23.8"	15"	19"	21.5"	23.8"	15"	19"	21.5"	23.8"	15"	19"	21.5"	15"	19"	21.5"	10"	15"	19"	21.5"	23.8"	10"	15"	19"	15"	15"	19"	15"	15"	19"	21.5"																											
Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	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)	800 x 600 (XGA)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	800 x 600 (XGA)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	800 x 600 (XGA)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)																														
Color Numbers	16.2M				16.7M				16.7M								16.2M			16.7M			262K								16.7M			-			16.7M																											
View Angle (H/V)	160/150				170/160				178/178				160/160				170/160			178/178			160/150			170/160			160/160			170/160			160/140			160/160			170/160																							
Contrast	800:1				1000:1				3000:1				600:1				1000:1			3000:1			800:1			1000:1			800:1			1000:1			500:1			600:1			1000:1			3000:1			500:1			600:1			1000:1			700:1			600:1			1000:1		
Brightness (nits)	350				450				350				250				350			250			350			230			350			250			250			230			400			350			1000			350			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)		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)								P-cap Touch																																							
USB	1 x M12 8pin for USB 1/2, 1 x M12 8pin for USB 3/4																										1 x M12 8pin for touch screen																																					
COM	2 x M12 8pin for COM /RS-232/422/485				2 x M12 8pin for COM /RS-232/422/485				1 x M12 8pin for COM 1/RS-232 1 x M12 8pin for COM 2/RS-232/422/485								2 x M12 8pin for COM /RS-232			1 x M12 8pin for COM 1/RS-232 1 x M12 8pin for COM 2/RS-			2 x M12 COM		2 x M12 8pin for COM /RS-232			1 x M12 8pin for COM 1/RS-232 1 x M12 8pin for COM 2/RS-232/422/485			VGA X 1, HDMI 1.4a x 1																																	
LAN	1 x M12 8pin for LAN																																																															
Main System																																																																
CPU	Intel® Alder Lake-P Core i5/i7				Intel® Whiskey Lake-U Core i5/i7				Intel® Skylake / Kaby Lake Core i5/i7								Intel® Elkhart Lake J6412			Intel® Apollo Lake J3455			Intel® Baytrail J1900			Intel® Atom E3845																																						
Memory	DDR4 up to 64G				DDR4 up to 32G																								DDR3 up to 8GB																																			
OS support	Optional Windows 10 (64 bit) / Windows 11 (64 bit)				Win10												Win 10 / Win 11			Win10			Win7 / Win8 / Win10																																									
Storage & Expansion																																																																
Storage	M.2 M Key for SSD				M.2 M Key for SSD				500G HDD				WT 128G SSD				M.2 M Key for SSD			500G HDD			64G SSD		500G HDD			128 SSD			-																																	
Expansion slot	1 x M.2 Key B 1 x SIM socket 1 x M.2 Key E				1 X M.2 Type E				1 X Mini PCIe, 1 X M.2 Type E								1 x PCIe x1 1 x M.2 Key E 1 x M.2 Key B 1 x SIM socket			1 x Mini PCIe, 1 x M.2 Type E			2 x Mini PCIe (half / full size)			-																																						
Mechanical & Environmental																																																																
Weight (kg)	8.4	11.5	12	14.8	TBD				8.4	11.5	12	14.8	8.4	11.5	12	14.8	8.4	11.5	12	7.6	11	12	6.9	7.6	11	12	13.2	6.5	7.6	11	10.2	7.5	10	11																														
Operating Temp.	0~40°C (HDD) 0~50°C (SSD)				0~40°C (HDD) 0~50°C (SSD)								-20~60°C				0~40°C (HDD) 0~50°C (SSD)			0~45°C			0~50°C		0~40°C			-20~50°C			-20~60°C		-10~55°C			0~50°C																												
IP rating	IP66/ NEMA4X/ IP69K																																																															
Cooling	Fanless																										Smart Fan		Fanless																																			
Power																																																																
Power Input	DC 12~28V				DC 19~28V				DC 9~32V								DC 12V~28V			DC 9~32V			DC 9~36V		DC 7~32V			DC 9~36V		DC 7~32 V			DC 12V																															
Power Adapter	AC 100~277V				AC 100~240V		AC 100~277V		AC 100~240V		AC 100~277V		AC 100~240V		AC 100~277V		AC 100~277V			AC 90~264V			AC 100~240V		AC 90~264V		AC 100~277V		AC 90~264V		AC 100~240V		AC 90~264V		AC 100~277V		AC 90~264V																											
Power Consumption	TBD	TBD	TBD	TBD	83.9W	90W	92.1W	92.4W	53.8W	69.2W	58.9W	62.4W	60.3W	52.9W	65.4W	68.9W	TBD			36.3W	42.7W	40.6W	29.7W	37W	40.7W	40.2W	37.2W	30.4W	36.1W	38.2W	40.9W	-																																

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 Transportation



Smart Food Processing



Headquarters

3F, No. 14, Prosperity Road II, Science-Based Industrial Park,
Hsinchu, Taiwan, R.O.C.

Tel +886 3 578 0000

Fax +886 3 577 0631

sales_support@wincomm.com.tw

Wincomm USA

2138 Ringwood Avenue, San Jose, CA 95131 USA

sales_support@wincomm.com.tw

Wincomm Japan

#206, 4-16-17, Namiki, Kawaguchi-City, Saitama, 332-0034, Japan

sales_support@wincomm.com.tw



IoT Solutions Alliance

