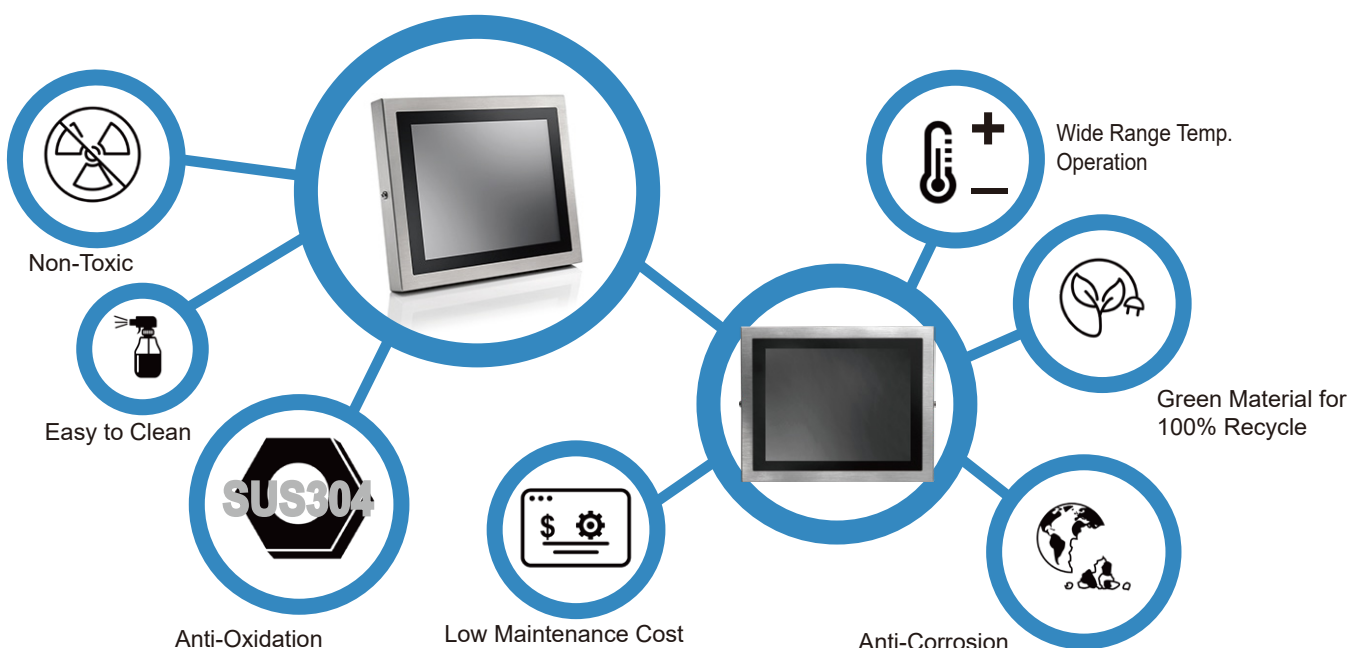# Full IP Series
Stainless Steel ePlatform Solutions

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	10, 15" 19" 21.5" 23.8"	IP67 & IP69K Waterproof	Touch Lock — Touch on/off for hygienic cleaning
Water proof speaker as opration		24/7 Operation without limitation	Stainless steel housing
COM+power 5V/ 12V for customization	Size from 10" to 23.8" TFT LCD		
		Customization service	CE
		Warranty and longevity supporting	VCI / FC Class B
Expansion Design	**Full Range of LCD Size**	**Harsh Environment Solution**	**High Quality & Customize Service**

Stainless Steel Benefits

Non-Toxic

Easy to Clean

SUS304 — Anti-Oxidation

Low Maintenance Cost

Anti-Corrosion

Wide Range Temp. Operation

Green Material for 100% Recycle

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.

Intel High Performance CPU

Full Flat Touch

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

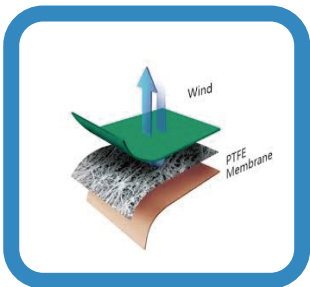### IP68 Adapter

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.

Downward M12 Metal Connctors
Wincomm adapted the connectors downward to meet requirements in most food factories.

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

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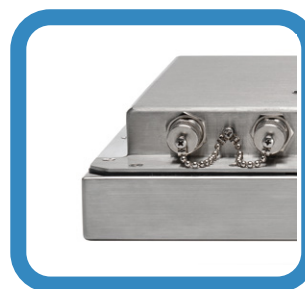
Extremely evironment solution
24/7 operation under -20~60°C & high brightness LCD without limitation

Saving space by downward I/O design
With minimized outside dimensions and downward external IO, it doesn't occupy but saving space.
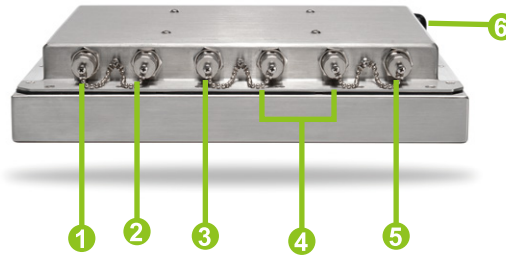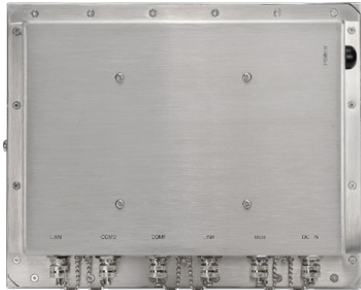
wall mount **table mount**

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.
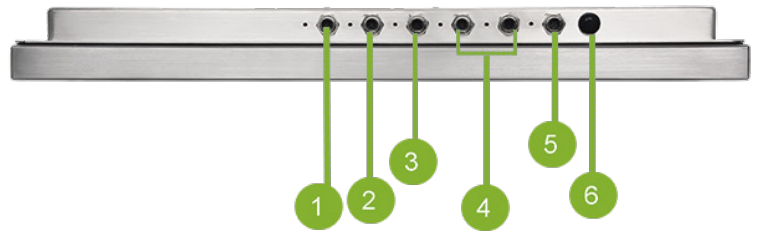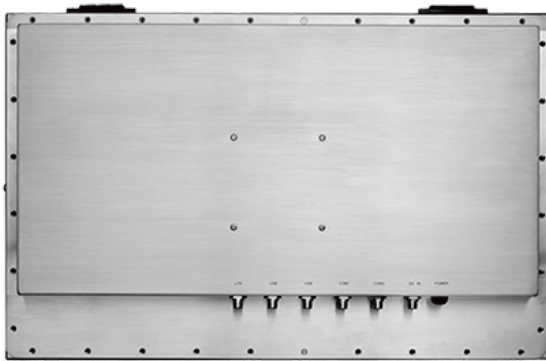
WTP Panel PC Series

WTP-8B66-10W

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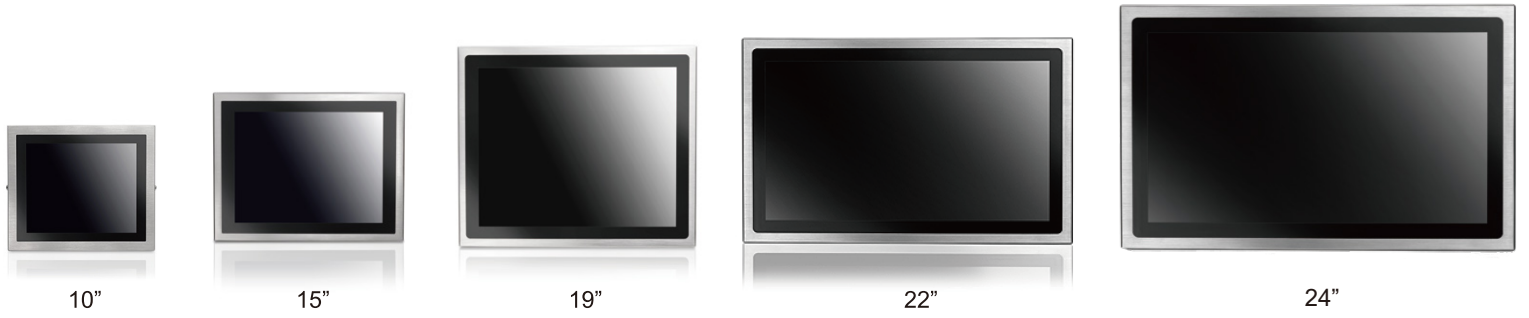3. USB 3/4
4. COM x 2
5. DC-in
6. Power on/off

WTP-9E66-24

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-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"	15"、19"、22"	10"、15"、19"、22"、24"	15"、19"、22"、24"	10"、15"、19"	15"
Touch Screen	Full Flat 5-wire Ressistive Touch, Optional PCT (Panel Size 24" default P-cap touch)							
System CPU	Intel® Whiskey Lake Core i5/i7	Intel® Skylake / Kaby Lake Core i5/i7	Intel® Elkhart Lake J6412	Intel® Apollo Lake J3455	Intel® Bay Trail J1900	Intel® Skylake / Kaby Lake Core i5/i7	Intel® Atom E3845	
Memory	up to 32G	up to 32G	up to 32G	Up to 8G		up to 32G	Up to 8G	Up to 8G
System Storage	500G HDD	500G HDD	500G HDD	500G HDD	500G HDD	WT 128G SSD		
OS Support	Win10	Win10	Win 10 / Win 11	Win 10	Win7/ Win8 / Win10			
Certification	CE(EMC), VCCI, FCC Class B							

Full IP Product Selection Guide

| 10" | 15" | 19" | 22" | 24" |

Product Name	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	15W	19W	22W	24W	15	19	22	15	19	22	10	15	19	22	24	10W	15W	19W	15O	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"	15"	19"	21.5"	10"	15"	19"	21.5"	23.8"	10"	15"	19"	15"	15"	19"	21.5"
Resolution	1024x768 (XGA)	1280x1024 (SXGA)	1920x1080 (FHD)	1920x1080 (FHD)	1024x768 (XGA)	1280x1024 (SXGA)	1920x1080 (FHD)	1920x1080 (FHD)	1024x768 (XGA)	1280x1024 (SXGA)	1920x1080 (FHD)	1920x1080 (FHD)	1024x768 (XGA)	1280x1024 (SXGA)	1920x1080 (FHD)	1024x768 (XGA)	1280x1024 (SXGA)	1920x1080 (FHD)	800x600 (XGA)	1024x768 (XGA)	1280x1024 (SXGA)	1920x1080 (FHD)	1920x1080 (FHD)	800x600 (SVGA)	1024x768 (XGA)	1280x1024 (SXGA)	1024x768 (XGA)	1024x768 (XGA)	1280x1024 (SXGA)	1920x1080 (FHD)
Color Numbers	16.2M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.2M	16.7M	16.7M	16.2M	16.7M	16.7M	262K	16.7M	16.7M	16.7M	16.7M	262K	16.7M	16.7M	-	16.7M	16.7M	16.7M
View Angle (H/V)	160/160	170/160	178/178	178/178	160/160	170/160	170/160	178/178	160/160	170/160	178/178	178/178	160/150	170/160	170/160	160/160	170/160	170/160	160/130	160/160	170/160	170/160	178/178	160/130	160/160	170/160	160/140	160/160	170/160	170/160
Contrast	800:1	1000:1	3000:1	3000:1	600:1	1000:1	1000:1	3000:1	600:1	1000:1	1000:1	3000:1	800:1	1000:1	1000:1	800:1	1000:1	1000:1	500:1	600:1	1000:1	1000:1	3000:1	500:1	600:1	1000:1	700:1	600:1	1000:1	1000:1
Brightness (nits)	450	350	250	250	450	350	250	250	450	350	350	250	350	350	250	450	350	250	230	450	350	250	250	230	400	350	1000	450	350	250
Touch Panel & IO																														
Type	Full Flat Resis.Touch (Full Flat P-cap Touch for option)			P-cap Touch	Full Flat Resis.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				1 x M12 8pin for COM 1/RS-232/422/485																							Video: VGA X 1, HDMI 1.4a x 1		
LAN	1 x M12 8pin																											-		
Main System																														
CPU	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	up to 32G															up to 8GB												-		
Chipset	Soc																													
OS support	Win10												Win 10 / Win 11			Win10			Win7 /Win8 / Win10									-		
Storage & Expansion																														
Storage	500G HDD, optional M.2 E key x 1				500G HDD				WT 128G SSD				500G HDD			500G HDD			64G SSD	500G HDD				128 SSD				-		
Expansion slot	M.2 Type E x 1				Mini PCIe x 1, M.2 Type E x 1								PCIex1 x 1 M.2 Type E x 1 M.2 Type B x 1 SIM socket x 1			Mini PCIe x 1, M.2 Type E x 1			Mini PCIe x 2 (half / full size)									-		
Mechanical & Environmental																														
Weight (kg)	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/ 0~50°C(change HDD to 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 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 100~240V			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		AC100~277V	AC 90~264V		
Power Consumption	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	-		

WTP Panel PC Series (columns 1–27); WTP Monitor Series (WTD XX, last 3 columns).

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

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