



WLP Series

Industrial ePlatform Solutions



AIO Touch Panel PCs for Automation Solutions

The industrial-grade panel PC series are built to suit for versatile environments, undergoing rigorous testing to ensure safety and top performance. All of the models in the WLP series are sealed to at least IP66 standards, and offering the best solution for environments with hygienic considerations. Featuring at full flat resistive touch, chassis mount, Wincomm industrial panel PCs 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 WLP series works well in industrial automation, such as food, beverage, pharmaceutical industry, including chemical manufacturing and any other industrial applications. Wincomm takes our users concern and all applications are designed to be WLP series. The further information is illustrated below:

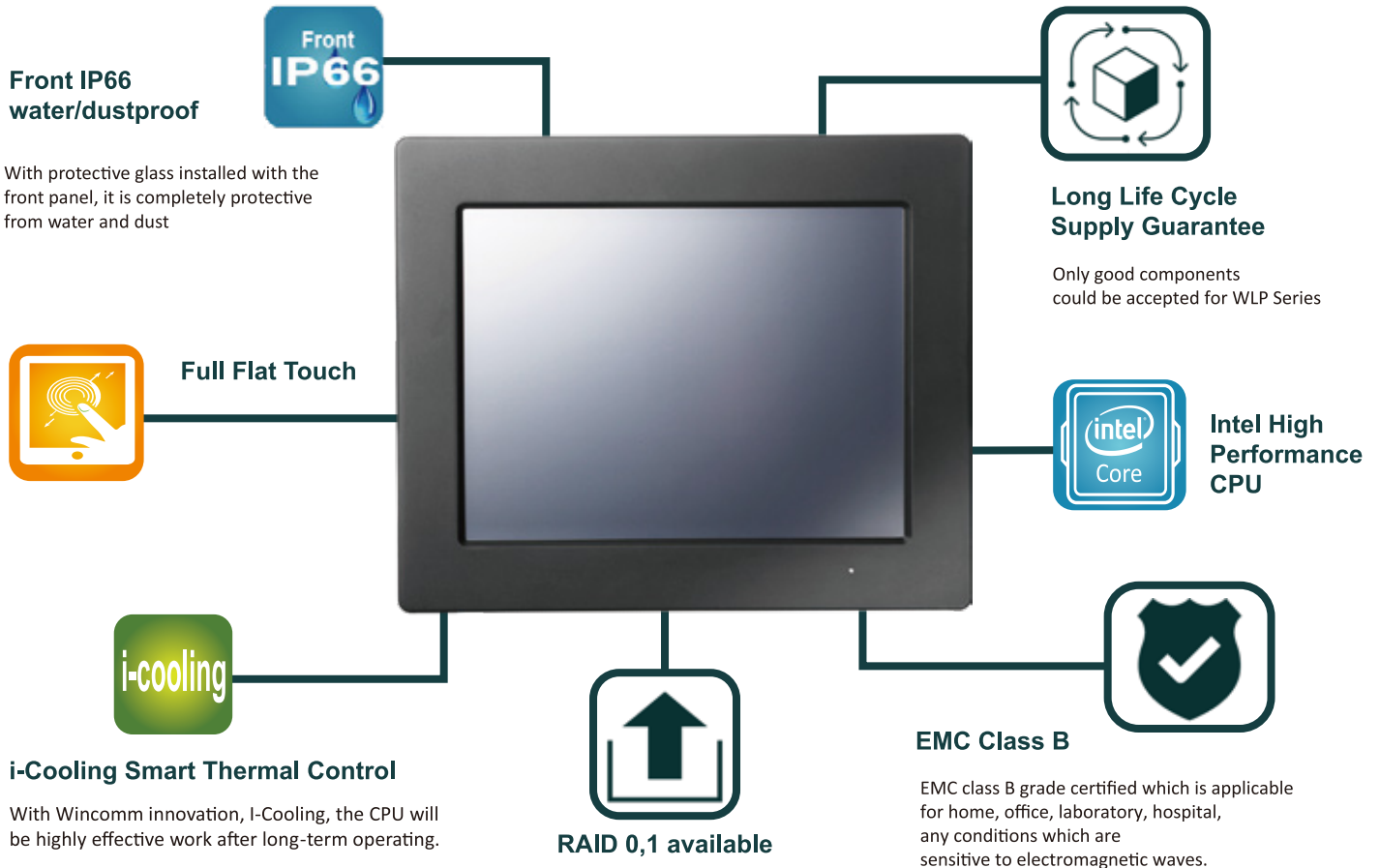
<ul style="list-style-type: none"> USB 3.0 ready Stainless/Silver front bezel as option M.2 Type E key <p>Expansion Design</p>	<p>Size from 10" to 21.5" TFT LCD</p> <p>Full Range of LCD Size</p>	<ul style="list-style-type: none"> Front IP66 Touch Lock Sunlight readable for option Sunlight readable for option <p>24/7 Operation without limitation</p> <p>Harsh Environment Solution</p>	<ul style="list-style-type: none"> Customization service Warranty and longevity supporting CE VCCI FCC Class B <p>High Quality & Customize Service</p>
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Best Smart City Solutions - Industrial Panel PC

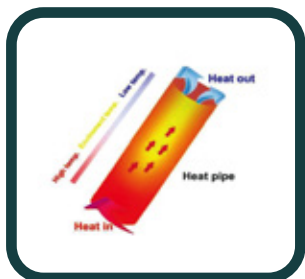
The diagram illustrates various smart city applications connected to a city skyline. Each application is shown in a circular inset with a line connecting it to a specific building in the skyline. A Wi-Fi signal icon is shown on the left, and a radio tower icon is on the right.

- Post Office Kiosk System**: Connected to a building on the left.
- Drive Through**: Connected to a building in the middle-left.
- Automatic Factory Equipment**: Connected to a factory building in the center.
- Self Check-in Machine**: Connected to a building in the middle-right.
- Bike Rental Kiosk**: Connected to a building on the far right.

Industrial Panel PC Design Benefits



Features Highlight



Powerful thermal solutions with stable CPU operation

Fanless cooling by high efficiency heat pipe and large heat dissipation heatsink, optimal MB power design to maximize power efficiency and minimize heat generation.



Extremely environment solution

WLP-H & V Series support wide temp from -20°C to 65°C, and optimal high brightness LCD without limitation.



PoE & Car Ignition Control

With chassis type housing and P-cap touch in 10.1", WLP-7B21-10 & WMP-105 features its slim and pleasing look. Equips with low power consumption N2930 & N4200 Processor, WLP-7B21-10 could enrich the HMI control more efficiency. Also support the latest PoE and car ignition control, making it an ideal and cost-effective solution for access control, home and industrial automation.



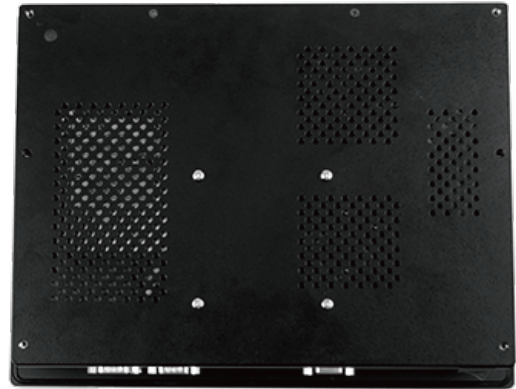
Water/dust proof guarantee withstands strong water jet cleaning

A rubber seal is attached at inner bezel edge, with firmly panel mounting, the IP rate between front bezel and mounting wall is IP69K grade. By resistive touch screen, front IP rate is IP66; by project capacitive touch screen, front IP rate is IP69K.

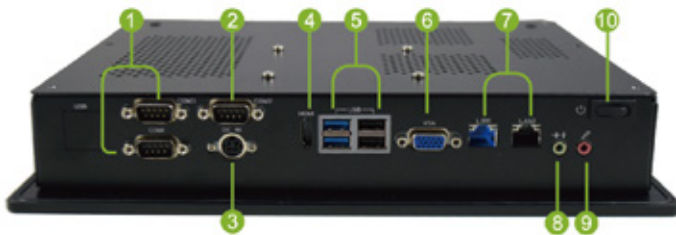
Industrial Panel PC Series



WLP-7J20-10 (Front)



WLP-7J20-10 (Back)

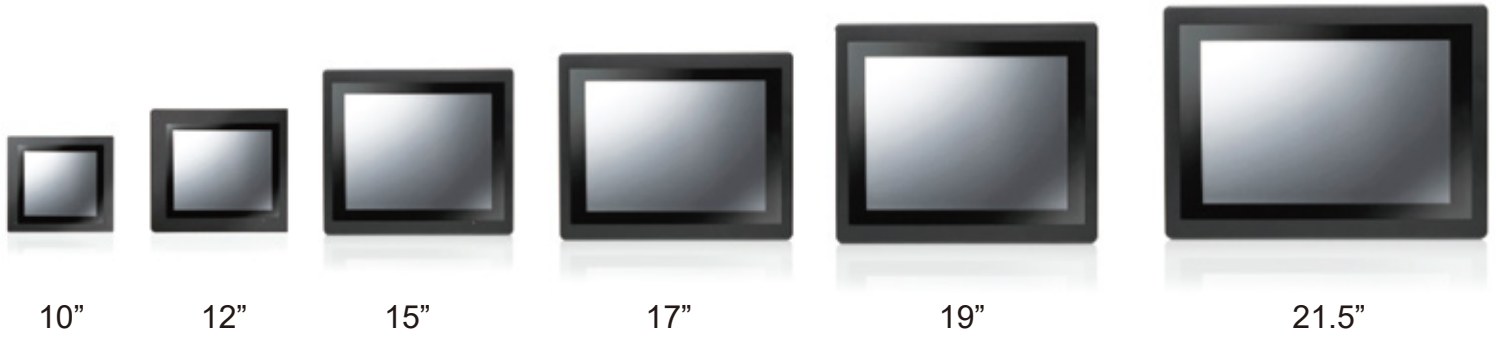


- 1 RS-232/422/485 x 2
- 2 RS-232 x 1
- 3 DC-in x 1
- 4 HDMI x 1
- 5 USB x 4
- 6 VGA x 1
- 7 LAN x 2
- 8 Line-out
- 9 Microphone
- 10 Power on/off

WLP-7J20-10 (I.O.)

WLP Series Selection Guide

Category	Panel Mount P-Cap Touch / Panel Mount R- Touch							Chassis P-Cap Touch	Wide Temp High Brightness Panel PC		
Model	7H20-XX	7G20-XX	7F20-XX	7F21-XX	7J20-XX	7E20-XX	7B20-XX	7E21-XX	7B20-XXH	7F20-XXH	
Panel Size	15", 22"	15", 22"	15", 16", 17" 19", 21.5"	17"	10.1", 10.4" 15", 15.6", 21.5"	10", 15"	10", 12", 15"	10"	10", 15"	15", 19", 21.5"	
Touch Screen	Full Flat P-cap Touch / Full Flat Resistive Touch							Full Flat P-cap Touch	Full Flat Resistive Touch	Full Flat P-cap Touch / Full Flat Resistive Touch	
System CPU	Intel® Alder Lake-P Core i5/i7	Intel® Whiskey Lake Core i5/i7	Intel® SkyLake Intel® Kaby Lake Core i5/i7	Intel® SkyLake Core i5/i7	Intel® Elkhart Lake J6412	Intel® Apollo Lake J3455	Intel® Celeron-J1900	Intel® Pentium N4200	Intel® Atom E3845	Intel® SkyLake Intel® Kaby Lake Core i5/i7	
Memory	DDR 4 up to 64GB	DDR4 up to 32GB			DDR4 up to 32GB	DDR3 up to 8GB		DDR3 up to 8GB	DDR3 up to 8GB	DDR4 up to 32GB	
System Storage	500G HDD Optional SSD	500G HDD Optional SSD	500G HDD	500G HDD	500G HDD Optional SSD	500G HDD Optional SSD	500G HDD	64G M.2 SSD	WT 128G 2.5" SSD		
OS Support	Win 10 & Win 11	Win 10	Win10	Win7/ Win8 / Win10	Win 10 & Win 11	Win 10	Win7/ Win8 / Win10	Win10	Win7/ Win8 / Win10		
Certification	FCC-B, CE (EMC), VCCI, ICES-003										



WLP Panel PC Series																									
Product Name	WLP-7H20 XX		WLP-7G20 XX		WLP-7F20 XX						WLP-7F21 XX		WLP-7J20 XX				WLP-7E20 XX		WLP-7B20 XX						
	15	22	15	22	15	16	17	19	22	15H	19H	22H	17	10	W10	15	W15	22	10	15	10H	15H	10	12	15
Display																									
Size	15" 4:3	21.5" 16:9	15" 4:3	21.5" 16:9	15" 4:3	16" 16:9	17" 5:4	19" 5:4	21.5" 16:9	15" 4:3	19" 5:4	21.5" 16:9	17" 4:3	10.4" 4:3	10.1" 16:10	15" 4:3	15.6" 4:3	21.5" 16:9	10" 4:3	15" 4:3	10" 4:3	15" 4:3	10" 4:3	12" 4:3	15" 4:3
Resolution	1024 x 768 (XGA)	1920 x 1080 (Full HD)	1024 x 768 (XGA)	1920 x 1080 (Full HD)	1024 x 768 (XGA)	1033 x 768 (XGA)	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	1024 x 768 (XGA)	1024 x 1080 (SXGA)	1280 x 1080 (FHD)	1280 x 1024 (SXGA)	800 x 600 (SVGA)	1280 x 800 (WXGA)	1024 x 768 (XGA)	1366 x 768 (HD)	1920 x 1080 (FHD)	800 x 600 (SVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	1024 x 768 (XGA)
Color Numbers	16.2M	16.7M	16.2M	16.7M	16.2M		16.7M		16.7M	16.7M	16.7M	16.7M	16.2M	16.2M	16.7M	16.2M	16.7M	16.7M	16.2M		16.2M		16.2M	16.7M	
View Angle (H/V)	160/160	170/160	160/160	170/160	160/160		170/160		160/160	170/160	178/178	170/160	160/130	170/170	160/150	170/160	170/160	160/130	160/160	130/120	160/160	130/110	160/140	160/160	
Contrast	800:1	1000:1	800:1	1000:1	600:1	500:1	1000:1		700:1	1000:1	1000:1	1000:1	1000:1	500:1	800:1	800:1	500:1	1000:1	500:1	800:1	400:1	700:1	400:1	700:1	600:1
Brightness (nits)	350	250	450	250	450	400	350		250	1000	1000	1000	350	230	400	350	400	250	230	450	1000		230	450	
Touch Panel & IO																									
Type	Full Flat R-Touch / Full Flat P-cap Touch		Full Flat R-Touch / Full Flat P-cap Touch		Full Flat R-Touch / Full Flat P-cap Touch						Full Flat R-Touch		Full Flat R-Touch / Full Flat P-cap Touch		Full Flat P-cap Touch		Full Flat R-Touch / Full Flat P-cap Touch		Full Flat R-Touch / Full Flat P-cap Touch		Full Flat R-Touch		Full Flat R-Touch / Full Flat P-cap Touch		
USB	2 x USB 2.0, 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen2 Type-C (DP1.4a, power output 5V3A)		4 x USB 3.1		4 x USB 3.0						4 x USB 3.0		2 x USB 3.2 (Gen 1), 2 x USB 2.0				4 x USB 3.0		1 x USB 3.0, 3 x USB 2.0						
COM	2 x RS-232/422/485, 1 x RS-232		1 x RS232, 2 x RS232/422/485		2 x RS232, 1 x RS232/422/485						1 x RS232, 1 x RS232/422/485		1 x RS232, 2 x RS232/422/485				2 x RS232, 1 x RS232/422/485		2 x RS232, 1 x RS232/422/485						
LAN	2 x RJ45 (2.5 Gbps)		2 x RJ45		2 x RJ45						2 x RJ45		1 x RJ45 1 Gbps, 1 x RJ45 2.5 Gbps				2 x RJ45		2 x RJ45						
Video Port	2 x HDMI 2.0b		1 x HDMI, 1 x DP		2 x DP						1 x DP, 1 x DVI		1 x HDMI, 1 x VGA				1 x HDMI, 1 x VGA		1 x HDMI		1 x DVI-I		1 x DVI-I		
Main System																									
CPU	Intel® Alder Lake-P Core i5/i7		Intel® Whiskey Lake Core i5/i7		Intel® Skylake / Kaby Lake Core i5/i7						Intel® Skylake Core i5/i7		Intel® Elkhart Lake J6412				Intel® Apollo Lake J3455		Intel® Atom E3845		Intel® Celeron J1900				
Memory	up to 64GB		up to 32GB		up to 32GB						up to 32GB		DDR4 up to 32GB				DDR3, up to 8GB								
Chipset	Soc		Soc		Soc						-		Soc				Soc		Soc						
OS support	Win 10 / Win 11		Win 10		Win7 pro / Win8 / Win8.1 Industrial / Win10						Win7 pro / Win8 / Win8.1 / Win10		Win 10 & Win 11				Win 10		Win7 pro / Win8 / Win8.1 / Win10						
Storage & Expansion																									
Storage	500G HDD, Optional SSD		500G HDD, Optional SSD		500G HDD						500G 2.5" HDD		500G HDD		500G HDD, Optional SSD				500G HDD, Optional SSD		WT 128G SSD		500G HDD		
Expansion slot	1 x M.2 Key B, 1x SIM socket, 1 x M.2 Key E		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 PCIe						1 x Mini PCIe, 1 x M.2 Type E PCIe		1 x PCIe x1 (Gen 3), 1 x M.2 Key E with PCIe x1 and shared USB2.0 for Wireless, 1 x M.2 Key B with PCIe x1, USB2.0, USB3.2 and SIM for 4G/5G, 1 x SIM socket connected to M.2 Key B				1 x Mini PCIe, 1 x M.2 Type E PCIe		2 x Mini PCIe						
Mechanical & Environmental																									
Weight (kg)	6.4	9.6	6.4	9.6	6	8.5	8.5	9.2	10	6	9.2	10	8.6	TBD				3	6.4	3.9	6.5	3.5	4.5	5.5	
Operating Temp.	0-50°C (w/ air flow)		0-50°C (w/ air flow)		0-50°C (w/ air flow), 0-40°C (no air flow)						-20-60°C (w/ air flow)		0-35°C		0-50°C (by SSD), 0-45°C (by HDD)				0-50°C (by SSD), 0-45°C (by HDD)		-20-60°C		0-50°C (w/ air flow), 0-40°C (no air flow)		
IP rating	Front IP66, K05		Front IP66						Front IP66		Front IP66				Front IP66, K05		Front IP66								
Cooling	Fanless		Fanless		Fanless						Fanless		Fanless				Fanless		Fanless						
Power																									
Power Input	DC 12-28V		DC 19-28 V		DC 9-32 V						DC 12 V		DC 12-28V				DC 19-24 V		DC 7-32 V						
Power Adapter	AC 100-240V				AC 100-240V								AC 100-240V				AC 100-240V		AC 90-284V						
Power Consumption	TBD		94.1W	90.9W	44.7W	57.8W	61.4W	65.8	64.7W	TBD	TBD	TBD	84.04W	TBD				38.7W	52.8W	28.3W	36.3W	28W	30.7W	29.93W	

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



In Train Signage



Self Check-in Machine



Bike Rental Kiosk



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IoT Solutions Alliance



Wincomm Corp. Through the MAS of the ARES
INTERNATIONAL CERTIFICATION CO., LTD.
ISO 14001:2015 certification.
ISO 14001:2015