

About JWIPC

Established in 2011, JWIPC is dedicated to providing high-quality, high-performance, and highly reliable hardware solutions for various industries including industrial motherboards, industrial BOX PC, industrial panel PC, edge computing, and a range of customized services. Collaborating with software ecosystems, we contribute to the industrial digital transformation. Currently, our products are widely applied in manufacturing, robotics, machine vision, healthcare, energy, transportation, and other fields.



Being Smart, Being Intelligent



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Being Smart, Being Intelligent



JWIPC Industrial Panel PC Selection Guide

Modular, Industrial grade design, Tailor for your productivity



HD Display



Precision Touch



Energy-Efficient and Low Consumption



Flexible Configuration



Dustproof and Waterproof



Resistant to High and Low Temperatures







OVS Industrial Panel PC

Model	OVS-121	OVS-150	OVS-156	OVS-170	OVS-215	
Image						
Aspect Ratio	4:3	4:3	16:9	5:4	16:9	
Resolution	1024 x 768	1024 x 768	1920 x 1080	1280 x 1024	1920 x 1080	
Brightness(nits)	500 nits	350 nits	300 nits	250 nits	250 nits	
Contrast Ratio	1200:1 (Typ.) (TM)	1000:1 (Typ.) (TM)	800:1 (Typ.) (TM)	1000:1 (Typ.) (TM)	1000:1 (Typ.) (TM)	
Backlight Lifespan	50000 Hours	50000 Hours	15000 Hours	50000 Hours	50000 Hours	
Viewing Angle	88 (L), 88 (R), 88 (U), 88 (D)	89 (L), 89 (R), 89 (U), 89 (D)	85 (L), 85 (R), 85 (U), 85 (D)	85 (L), 85 (R), 80 (U), 80 (D)	89 (L), 89 (R), 89 (U), 89 (D)	
Touch Type	Projected Capacitive Touch Or 5-Wire Resistive (Optional)	Projected Capacitive Touch Or 5-Wire Resistive (Optional)	Projected Capacitive Touch	Projected Capacitive Touch Or 5-Wire Resistive (Optional)	Projected Capacitive Touch	
Transmittance	>81%(>78% for 5-Wire Resistive)		>81%(>78% for 5-Wire Resistive)			
Lifespan	50 Million Times (10 Million Times for 5-Wire Resistive)		50 Million Times (10 Million Times for 5-Wire Resistive)			
Operating Temperature (OP)	-20 ~ 60 °C (-4 ~ 140 °F)	-20~60°C (-4~140°F)	-20 ~ 60 °C (-4 ~ 140 °F)	0 ~ 50 °C (32~122 °F)	0 ~ 50 °C (32~122 °F)	
Operating Relative Humidity	90% @ 40 °C (non-condensing)		90% @ 40 °C (non-condensing)			
Storage Temperature (NOP)	0 ~ 50 °C (32 ~ 122 °F)		0 ~ 50 °C (32 ~ 122 °F)			
Shock (OP)	15g 11ms Half Sine Wave		15g 11ms Half Sine Wave			
Vibration (OP)	5~500Hz 1Grms		5~500Hz 1Grms			
EMC	CE/FCC Class A		CE/FCC Class A			
IP Rating	Front Panel IP65		Front Panel IP65			
Power Input	DC 9~36V, RVP/SCP/OVP/OCP		DC 9~36V, RVP/SCP/OVP/OCP			
Dimensions(L×W×H)(mm)	298.5 x 237.5 x 71mm (With modules 3/4, thickness is 79mm)	360 x 284 x 71mm (With modules 3/4, thickness is 79mm)	398.4 x 250.8 x 71mm (With modules 3/4, thickness is 79mm)	391.4 x 326.4 x 71mm (With modules 3/4, thickness is 79mm)	532.5 x 324 x 71mm (With modules 3/4, thickness is 79mm)	
OS	Windows 7(Only J1900&H110), Windows 10, Windows 11, Linux		Windows 7(Only J1900&H110), Windows 10, Windows 11, Linux			
OVS Module Type	Option 1	Option 2	Option 3	Option 4		
CPU	CPU	Intel® Celeron® J1900	Intel® Celeron® J6412	Intel® Core™ i3-1215U	Intel® Core™ i5-1235U	Intel® Core™ i7-1265U
	Cores/Threads	4/4	4/4	2P+4E	2P+8E	2P+8E
	Base Frequency	2.00 GHz	2.00 GHz	1.2 GHz	1.5 GHz	1.7 GHz
	Turbo Frequency	2.42 GHz	2.60 GHz	4.4 GHz	4.4 GHz	4.7 GHz
	Smart Cache	2	1.5	10	12	12
	TDP	10W	10W	15W	15W	15W
Memory Solts	1 x SO-DIMM DDR3L-1333, Max 8GB	1 x SO-DIMM DDR4-3200, Max 16GB	1 x SO-DIMM DDR5-4800 Max 32GB		1 x SO-DIMM DDR4-3200, Max16GB	
Storage	1 x M.2 2242/2280 SATA Interface 1 x 7+15Pin SATA3.0 Interface		1 x M.2 2242/2280 Nvme Interface 1 x 7+15Pin SATA3.0 Interface		1 x M.2 2242/2280 Nvme Interface 1 x 7+15Pin SATA3.0 Interface	
Network(LAN)	2 x Intel I210AT	1 x Intel I210AT + 1 x Intel I226-V	3 x intel I226-V, 1 x Intel I210AT (POE Is Optional)			
I/O Interfaces	2 x RS232/422/485 (BIOS setting), 4xUSB3.0, 1x SIM Solt, 1 x Extended Power Switch	2 x RS232/422/485 (BIOS setting), 4xUSB3.0, 2x rs232, 1 x Extended Power Switch	2 x RS232/422/485 (BIOS setting), 4xUSB3.2, 2x rs232, 1x Extended Power Switch			
Display Interfaces	1 x HDMI1.4b		1 x HDMI1.4b, 1 x DP1.2		1 x HDMI1.4b, 1 x DP1.2	
Expansion Slot	1 x M.2 Key E 2230 Solt, Support WiFi 6 Module; 1 x M.2 Key B 3052/3042 Solt, Support 4G/5G Module					

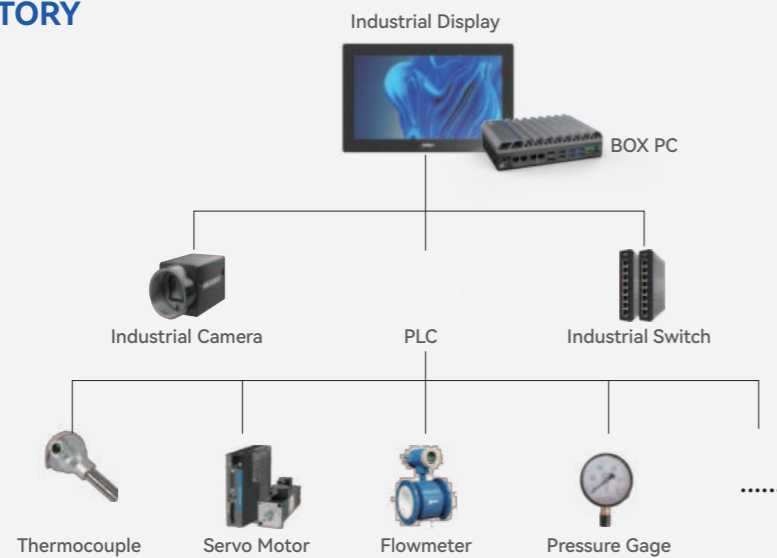
IVS Industrial Panel PC

Model		IVS-101	IVS-104	IVS-121	IVS-150	IVS-156	IVS-170	IVS-215
Image								
LCD Display	Aspect Ratio	16:10	4:3	4:3	4:3	16:9	5:4	16:9
	Resolution	1280 x 800	1024 x 768	1024 x 768	1024 x 768	1920 x 1080	1280 x 1024	1920 x 1080
	Brightness(nits)	350 nits	350 nits	500 nits	350 nits	300 nits	250 nits	250 nits
	Contrast Ratio	1200:1 (Typ.) (TM)	900:1 (Typ.) (TM)	1200:1 (Typ.) (TM)	1000:1 (Typ.) (TM)	800:1 (Typ.) (TM)	1000:1 (Typ.) (TM)	1000:1 (Typ.) (TM)
	Backlight Lifespan	15000 Hours	50000 Hours	50000 Hours	50000 Hours	15000 Hours	50000 Hours	15000 Hours
	Viewing Angle	85 (L), 85 (R), 85 (U), 85 (D)	75 (L), 75 (R), 75 (U), 75 (D)	88 (L), 88 (R), 88 (U), 88 (D)	89 (L), 89 (R), 89 (U), 89 (D)	85 (L), 85 (R), 85 (U), 85 (D)	85 (L), 85 (R), 80 (U), 80 (D)	89 (L), 89 (R), 89 (U), 89 (D)
Touch Screen	Touch Type	Projected Capacitive Touch	Projected Capacitive Touch Or 5-Wire Resistive (Optional)	Projected Capacitive Touch Or 5-Wire Resistive (Optional)	Projected Capacitive Touch Or 5-Wire Resistive (Optional)	Projected Capacitive Touch	Projected Capacitive Touch Or 5-Wire Resistive (Optional)	Projected Capacitive Touch
	Transmittance	>81%(>78% for 5-Wire Resistive)			>81%(>78% for 5-Wire Resistive)			
	Lifespan	50 Million Times (10 Million Times for 5-Wire Resistive)			50 Million Times (10 Million Times for 5-Wire Resistive)			
Power Input		DC 9-36V, RVP/SCP/OVP/OCP			DC 9-36V, RVP/SCP/OVP/OCP			
Dimensions(L×W×H)(mm)		275 x 194 x 71MM (With modules 3/4, thickness is 79mm)	275 x 222 x 71mm (With modules 3/4, thickness is 79mm)	298.5 x 237.5 x 71mm (With modules 3/4, thickness is 79mm)	360 x 284 x 71mm (With modules 3/4, thickness is 79mm)	398.4 x 250.8 x 71mm (With modules 3/4, thickness is 79mm)	391.4 x 326.4 x 71MM (With modules 3/4, thickness is 79mm)	532.5 x 324 x 71mm (With modules 3/4, thickness is 79mm)
OS		Windows 7(Only J1900&H110), Windows 10, Windows 11, Linux			Windows 7(Only J1900&H110), Windows 10, Windows 11, Linux			
Operating Temperature (OP)		-20 ~ 60 °C (-4 ~ 140 °F)	-20 ~ 60 °C (-4 ~ 140 °F)	-20 ~ 60 °C (-4 ~ 140 °F)	-20 ~ 60 °C (-4 ~ 140 °F)	0 ~ 50 °C (32 ~ 122 °F)	0 ~ 50 °C (32 ~ 122 °F)	0 ~ 50 °C (32 ~ 122 °F)
Operating Relative Humidity		90% @ 40 °C (non-condensing)			90% @ 40 °C (non-condensing)			
Storage Temperature (NOP)		-20 ~ 60 °C (-4 ~ 140 °F)			-20 ~ 60 °C (-4 ~ 140 °F)			
Shock (OP)		15g 11ms Half Sine Wave			15g 11ms Half Sine Wave			
Vibration (OP)		5~500Hz 1Grms			5~500Hz 1Grms			
EMC		CE Class A			CE Class A			
IP Rating		Front Panel IP65			Front Panel IP65			
MainBoard		Option 1	Option 2	Option 3			Option 4	
MainBoard	CPU	Intel® Celeron® J1900	Intel® Celeron® J6412	Intel® Core™ i3-1215U	Intel® Core™ i5-1235U	Intel® Core™ i7-1265U	Intel® Core™ 6/7/8/9th, Core i7/i5/i3 and pentium/celeron LGA1151 type CPU. Max.65W Chipset: H110	
	Cores/Threads	4/4	4/4	2P+4E	2P+8E	2P+8E		
	Base Frequency	2.00 GHz	2.00 GHz	1.2 GHz	1.5 GHz	1.7 GHz		
	Turbo Frequency	2.42 GHz	2.60 GHz	4.4 GHz	4.4 GHz	4.7 GHz		
	Smart Cache	2	1.5	10	12	12		
	TDP	10W	10W	15W	15W	15W		
	Memory Solts	1 x SO-DIMM DDR3L-1333, Max 8GB	1 x SO-DIMM DDR4-3200, Max 16GB	1 x SO-DIMM DDR5-4800 Max 32GB			1 x SO-DIMM DDR4-3200, Max16GB	
	Storage	1 x M.2 2242/2280 SATA Interface 1 x 7+15Pin SATA3.0 Interface			1 x M.2 2242/2280 SATA Interface 1 x 7+15Pin SATA3.0 Interface		1 x M.2 2242/2280 SATA Interface 1 x 7+15Pin SATA3.0 Interface	
	Network(LAN)	2 x Intel I210AT	1 x Intel I210AT + 1 x Intel I226-V	3 x intel I226-V, 1 x Intel I210AT (POE Is Optional)			3 x intel I226-V, 1 x Intel I210AT (POE Is Optional)	
	I/O Interfaces	2 x RS232/422/485 (BIOS setting), 4xUSB3.0, 1x SIM Solt, 1 x Extended Power Switch			2 x RS232/422/485 (BIOS setting), 4xUSB3.2, 2x rs232, 1x Extended Power Switch			
	Display Interfaces	1 x HDMI1.4b			1 x HDMI1.4b, 1 x DP1.2		1 x HDMI1.4b, 1 x DP1.2	
	Expansion Slot	1 x M.2 Key E 2230 Solt, Support WiFi 6 Module; 1 x M.2 Key B 3052/3042 Solt, Support 4G/5G Module						

TDS Monitor

Model		TDS-104	TDS-121	TDS-150	TDS-156	TDS-170	TDS-215
Image							
LCD Display	Aspect Ratio	4:3	4:3	4:3	16:9	5:4	16:9
	Resolution	1024 x 768	1024 x 768	1024 x 768	1920 x 1080	1280 x 1024	1920 x 1080
	Brightness(nits)	350 nits	500 nits	350 nits	300 nits	250 nits	250 nits
	Contrast Ratio	900:1 (Typ.) (TM)	1200:1 (Typ.) (TM)	1000:1 (Typ.) (TM)	800:1 (Typ.) (TM)	1000:1 (Typ.) (TM)	1000:1 (Typ.) (TM)
	Backlight Lifespan	50000 Hours	50000 Hours	50000 Hours	15000 Hours	50000 Hours	15000 Hours
	Viewing Angle	75 (L), 75 (R), 75 (U), 75 (D)	88 (L), 88 (R), 88 (U), 88 (D)	89 (L), 89 (R), 89 (U), 89 (D)	85 (L), 85 (R), 85 (U), 85 (D)	85 (L), 85 (R), 80 (U), 80 (D)	89 (L), 89 (R), 89 (U), 89 (D)
Touch Screen	Touch Type	Projected Capacitive Touch Or 5-Wire Resistive (Optional)			Projected Capacitive Touch		Projected Capacitive Touch Or 5-Wire Resistive (Optional)
	Transmittance	>81%(>78% for 5-Wire Resistive)					>81%(>78% for 5-Wire Resistive)
	Lifespan	50 Million Times (10 Million Times for 5-Wire Resistive)					50 Million Times (10 Million Times for 5-Wire Resistive)
Power Input		DC 9-36V, RVP/SCP/OVP/OCP			DC 9-36V, RVP/SCP/OVP/OCP		
Driver Board	Display Input	HDMI, VGA, DVI-D			HDMI, VGA, DVI-D		
	OSD menu	Menu / UP / Down / AUTO Setting / Power Brightness, Contrast Ratio, Setting, Color Temperature, Language			Menu / UP / Down / AUTO Setting / Power Brightness, Contrast Ratio, Setting, Color Temperature, Language		
Dimensions(L×W×H)(mm)		275 x 222 x 58mm	298.5 x 237.5 x 58mm	360 x 284 x 58mm	398.4 x 250.8 x 58mm	391.4 x 326.4 x 58mm	532.5 x 324 x 58mm
Operating Temperature (OP)		-20 ~ 60 °C			0 ~ 50 °C		
Operating Relative Humidity		90% @ 40 °C (non-condensing)			90% @ 40 °C (non-condensing)		
Storage Temperature (NOP)		-30 ~ 70 °C			-30 ~ 70 °C		
Shock (OP)		15g 11ms Half Sine Wave			15g 11ms Half Sine Wave		
Vibration (OP)		5~500Hz 1Grms			5~500Hz 1Grms		
EMC		CE Class A			CE Class A		
IP Rating		IP65 Front Panel			IP65 Front Panel		

SMART FACTORY



- Intel J6412 quad-core CPU
- 1 x DDR4 SO-DIMM slot, maximum support of 32GB
- M.2 2280 Key-M supports SATA 3.0
- M.2 3042/3052 Key-B supports 4G/5G wireless connection
- M.2 2230 Key-E supports WiFi/BT wireless connection
- 4 x Intel high-speed RJ45 network ports, 4kV surge protection
- 4 x USB2.0 Gen2, support high-definition video devices
- Three display interfaces: HDMI+DP+LVDS
- High Tg wide-temperature PCB material to ensure temperature stability



- Intel Tiger Lake-U Series CPU with TDP of 10W
- 1 x DDR4 SO-DIMM slot, maximum support of 32GB
- M.2 2280 Key-M supports SATA/nVME adaptive mode
- M.2 3042/3052 Key-B supports 4G/5G wireless connection
- M.2 2230 Key-E supports WiFi/BT wireless connection
- 4 x Intel high-speed RJ45 network ports, 4kV surge protection
- 4 x USB3.2 Gen2, support high-definition video devices
- Three display interfaces: HDMI+DP+LVDS
- High Tg wide-temperature PCB material to ensure temperature stability