

Touch Screen Monitor



NODKA offers several series of Touch monitor products in different panel size, which are including 8",10.4",12.1",15",17",18.5",19" and 21.5", with 5-wire resistive and bezel free resistive touch screen, IR touch and Projected capacitive Click life screen for your choice, provides RS232 or USB touch interface, supports VGA,DVI or HDMI input, with VESA,Panel,Open frame and Rack mounting options.



Rugged industrial grade design
Rugged metal box construction, aluminum front panel with IP65 compliant.

Wide Work Temperature: -20°C~60°C
Product is with wide temperature components integrated, system operating temperature supports -20 up to +60°C, suitable for major industrial applications.

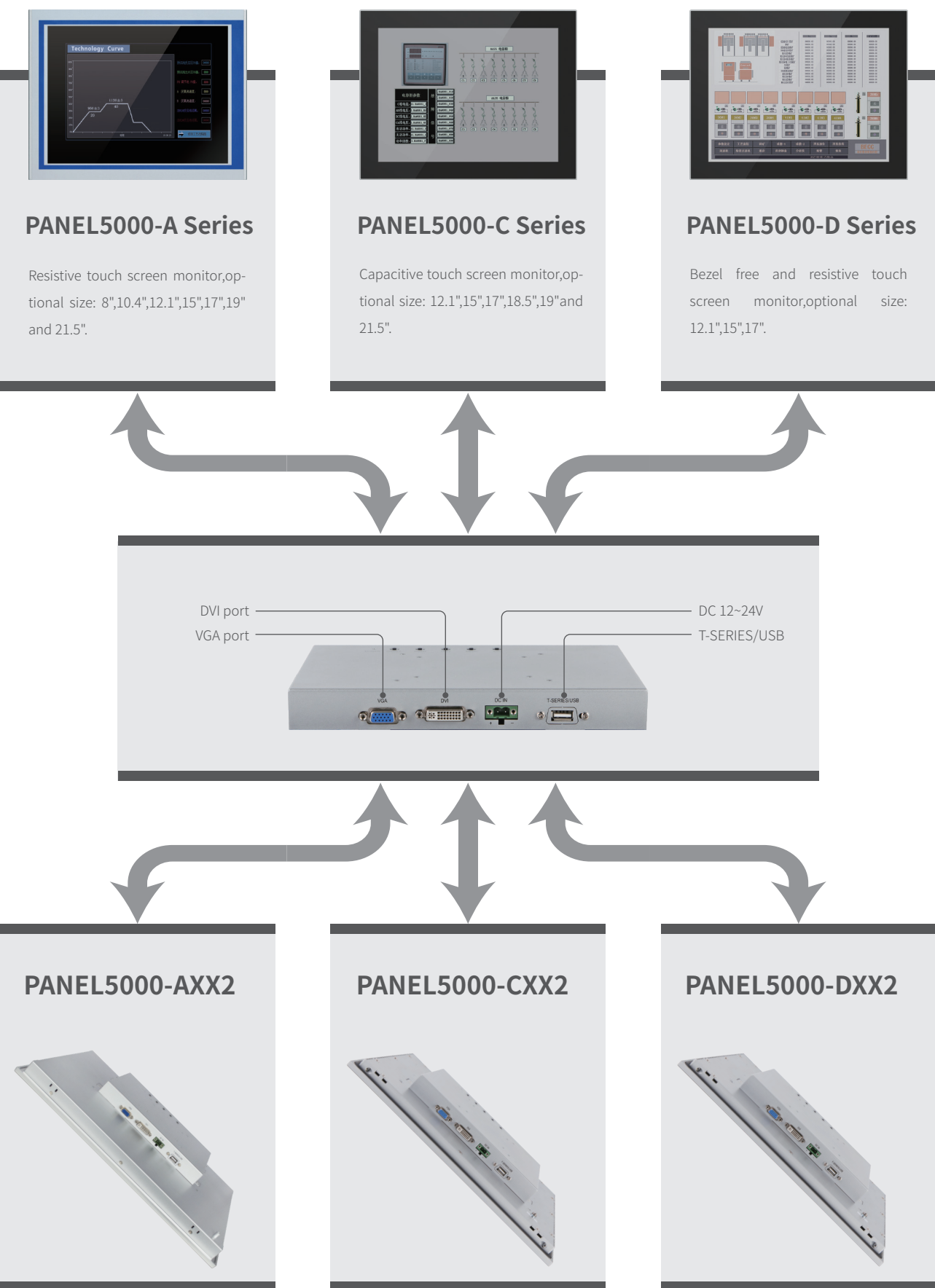
Neutral front Panel
Neutral front panel design without logo, accept print logo service, as well as neutral packing optional.

DC12V/24V Power input
DC 12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Flexible modular design
Display module option resistive touch,bezel free capacitive touch and bezel free resistive touch, box option XXX2, XXX3 and XXX4 system.

Vaiour mounting options
Support Panel mounted and Wall mounted with VESA stand.

Display module option:



PANEL5000-AXX2 SERIES



Model No.		PANEL5000-A082	PANEL5000-A102	PANEL5000-A122
General	Control button	Set Contrast ratio and Luminance via OSD at the back panel		
	Dimension (W×H×D)	236mm×188mm×49.5mm (9.29"×7.40"×1.95")	300.5mm×234.5mm×50mm (11.83"×9.23"×1.97")	321mm×243mm×50mm (12.64"×9.57"×1.97")
	Drill Hole Size (W x H)	219mm×171mm (8.62"×6.73")	282mm×222mm (11.10"×8.74")	304mm×230mm (11.97"×9.06")
	Box structure	Front panel: aluminum-magnesium alloy, anodized coating ;Back cover: SGCC, Ground isolation protection		
	Mounting	Support Embedded,wall-mounted,Desktop and VESA mounting		
	Power Supply	Phoenix terminal: DC 12~24V input		
	Power Dissipation	5W	5W	8W
	Signal input	VGA & DVI-D		
	Net Weight	1.50kg (3.31lb)	2.50kg (5.51lb)	2.86kg (6.31lb)
LCD	LCD Type	8" SVGA TFT	10.4" SVGA TFT	12.1" XGA TFT
	Resolution	800×600	800×600	1024×768
	Colors	16.7MB	16.2MB	16.7MB
	Active Area (W×H)	162mm×121.5mm (6.38"×4.78")	211.2mm×158.4mm (8.31"×6.24")	246mm×184mm (9.69"×7.24")
	Backlight	WLED	WLED	WLED
	MTBF (hour)	30000hrs	30000hrs	30000hrs
	Pixel Pitch (H×V)	0.2025×0.2025	0.264×0.264	0.240×0.240
	Luminance	250cd/m ²	350cd/m ²	350cd/m ²
	Contrast Ratio	500 : 1	800 : 1	800 : 1
	Viewing Angle	(L) 75 / (R) 75 / (T) 75 / (B) 75	(L) 80 / (R) 80 / (T) 65 / (B) 75	(L) 80 / (R) 80 / (T) 80 / (B) 80
Touchscreen	Touchscreen type	Resistive touch screen		
	Resolution	4096×4096		
	Transmittance	> 75%		
	Controller interface	USB		
	Driver Support	Windows 7, Windows8, Windows10, Linux		
	Response Time (touch Pen)	< 5ms		
	Surface Hardness	Mohs' Hardness 3H		
	Click Life	250g / 35,000,000 times		
	Draw life	250g / 5,000,000 times		
Environmental	Work Temperature	-20 ~ 60°C (-4~140°F)(Wide temperature SSD) / 0 ~ 45°C (32~113°F)(General temperature HDD/SSD)		
	Storage Temperature	-30 ~ 80°C (-22~176°F)		
	Relative Humidity	5 ~ 95% RH@40°C (Non-condensation)		
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64		
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27		
	EMC	CE/FCC Class B		
	Water-proof	Front panel IP65		



PANEL5000-A152	PANEL5000-A172	PANEL5000-A192	PANEL5000-A2152
Set Contrast ratio and Luminance via OSD at the back panel			
395mm×313mm×54mm (15.55"×12.32"×2.13")	434mm×342mm×54mm (17.09"×13.46"×2.13")	466mm×370mm×53mm (18.35"×14.57"×2.09")	550mm×342mm×60mm (21.65"×13.46"×2.36")
376mm×300mm (14.80"×11.81")	411mm×325mm (16.18"×12.80")	443mm×352mm (17.44"×13.86")	533mm×325mm (20.98"×12.80")
Front panel: aluminum-magnesium alloy, anodized coating ;Back cover: SGCC, Ground isolation protection			
Support Embedded,wall-mounted,Desktop and VESA mounting			
Phoenix terminal: DC 12~24V input			
10W	12W	14W	17W
VGA & DVI-D			
4.10kg (9.04lb)	5.00kg (11.02lb)	5.82kg (12.83lb)	7.02kg (15.48lb)
15" XGA TFT	17" SXGA TFT	19" SXGA TFT	21.5" Full HD TFT
1024×768	1280×1024	1280×1024	1920×1080
16.2MB	16.7MB	16.7MB	16.7MB
304mm×228mm (11.97"×8.98")	338mm×270mm (13.31"×10.63")	376.3mm×301mm (14.81"×11.85")	476mm×268mm (18.74"×10.55")
WLED	WLED	WLED	WLED
50000hrs	50000hrs	30000hrs	50000hrs
0.297×0.297	0.264×0.264	0.294×0.294	0.248×0.248
350cd/m ²	350cd/m ²	250cd/m ²	250cd/m ²
700 : 1	1000 : 1	1000 : 1	1000 : 1
(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 89 / (R) 89 / (T) 89 / (B) 89
Resistive touch screen			
4096×4096			
> 75%			
USB			
Windows 7, Windows8, Windows10, Linux			
< 5ms			
Mohs' Hardness 3H			
250g / 35,000,000 times			
250g / 5,000,000 times			
-20 ~ 60°C (-4~140°F)(Wide temperature SSD) / 0 ~ 45°C (32~113°F)(General temperature HDD/SSD)			
-30 ~ 80°C (-22~176°F)			
5 ~ 95% RH@40°C (Non-condensation)			
Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64			
Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27			
CE/FCC Class B			
Front panel IP65			

PANEL5000-CXX2 SERIES



Model No.		PANEL5000-C122	PANEL5000-C152	PANEL5000-C172
General	Control button	Set Contrast ratio and Luminance via OSD at the back panel		
	Dimension (W×H×D)	321mm×247mm×47mm (12.64"×9.72"×1.85")	371mm×295mm×47mm (14.60"×11.61"×1.85")	428mm×342mm×47mm (16.85"×13.46"×1.85")
	Drill Hole Size (W x H)	304mm×230mm (11.97"×9.06")	354mm×278mm (13.94"×10.94")	411mm×325mm (16.18"×12.80")
	Box structure	Front panel: aluminum-magnesium alloy, anodized coating ;Back cover: SGCC, Ground isolation protection		
	Mounting	Support Embedded,wall-mounted,Desktop and VESA mounting		
	Power Supply	Phoenix terminal: DC 12~24V input		
	Power Dissipation	8W	10W	12W
	Signal input	VGA & DVI-D		
	Net Weight	2.34kg (5.16lb)	3.34kg (7.36lb)	4.34kg (9.57lb)
LCD	LCD Type	12.1" XGA TFT	15" XGA TFT	17" SXGA TFT
	Resolution	1024×768	1024×768	1280×1024
	Colors	16.7MB	16.2MB	16.7MB
	Active Area (W×H)	246mm×184mm (9.69"×7.24")	304mm×228mm (11.97"×8.98")	338mm×270mm (13.31"×10.63")
	Backlight	WLED	WLED	WLED
	MTBF (hour)	30000hrs	50000hrs	50000hrs
	Pixel Pitch (H×V)	0.240×0.240	0.297×0.297	0.264×0.264
	Luminance	350cd/m²	350cd/m²	350cd/m²
	Contrast Ratio	800 : 1	700 : 1	1000 : 1
	Viewing Angle	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80
Touchscreen	Touchscreen type	Multi-point capacitive touch screen		
	Transmittance	> 87%		
	Controller interface	USB		
	Driver Support	Windows7, Windws 8, Windows 10, Linux		
	Multi-touch	10 points (windows system)		
	Surface Hardness	Mohs' Hardness 7H		
Environmental	Work Temperature	-20 ~ 60°C (-4~140°F)(Wide temperature SSD) / 0 ~ 45°C (32~113°F)(General temperature HDD/SSD)		
	Storage Temperature	-30 ~ 80°C (-22~176°F)		
	Relative Humidity	5 ~ 95% RH@40°C (Non-condensation)		
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64		
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27		
	EMC	CE/FCC Class B		
	Water-proof	Front panel IP65		



PANEL5000-C1852		PANEL5000-C192		PANEL5000-C2152	
Set Contrast ratio and Luminance via OSD at the back panel					
480mm×304mm×47mm (18.90"×11.97"×1.85")		460mm×369mm×47mm (18.11"×14.53"×1.85")		550mm×342mm×47mm (21.65"×13.46"×1.85")	
463mm×287mm (18.23"×11.30")		442mm×351mm (17.40"×13.82")		533mm×325mm (20.98"×12.80")	
Front panel: aluminum-magnesium alloy, anodized coating ;Back cover: SGCC, Ground isolation protection					
Support Embedded,wall-mounted,Desktop and VESA mounting					
Phoenix terminal: DC 12~24V input					
10W		14W		17W	
VGA & DVI-D					
4.6kg (1.014lb)		5.18kg (11.42lb)		5.56kg (12.26lb)	
18.5" WXGA TFT		19" SXGA TFT		21.5" Full HD TFT	
1366×768		1280×1024		1920×1080	
16.7MB		16.7MB		16.7MB	
409.8mm×230.4mm (16.13"×9.07")		376.3mm×301mm (14.81"×11.85")		476mm×268mm (18.74"×10.55")	
WLED		WLED		WLED	
50000hrs		30000hrs		50000hrs	
0.300×0.300		0.294×0.294		0.248×0.248	
450cd/m²		250cd/m²		250cd/m²	
1000 : 1		1000 : 1		1000 : 1	
(L) 85 / (R) 85 / (T) 80 / (B) 80		(L) 85 / (R) 85 / (T) 80 / (B) 80		(L) 89 / (R) 89 / (T) 89 / (B) 89	
Multi-point capacitive touch screen					
> 87%					
USB					
Windows7, Windws 8, Windows 10, Linux					
10 points (windows system)					
Mohs' Hardness 7H					
-20 ~ 60°C (-4~140°F)(Wide temperature SSD) / 0 ~ 45°C (32~113°F)(General temperature HDD/SSD)					
-30 ~ 80°C (-22~176°F)					
5 ~ 95% RH@40°C (Non-condensation)					
Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64					
Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27					
CE/FCC Class B					
Front panel IP65					

PANEL5000-DXX2 SERIES



Model No.		PANEL5000-D122	PANEL5000-D152	PANEL5000-D172
General	Control button	Set Contrast ratio and Luminance via OSD at the back panel		
	Dimension (W×H×D)	321mm×247mm×47mm (12.64"×9.72"×1.85")	371mm×295mm×47mm (14.60"×11.61"×1.85")	428mm×342mm×47mm (16.85"×13.46"×1.85")
	Drill Hole Size (W x H)	304mm×230mm (11.97"×9.06")	354mm×278mm (13.94"×10.94")	411mm×325mm (16.18"×12.80")
	Box structure	Front panel: aluminum-magnesium alloy, anodized coating ;Back cover: SGCC, Ground isolation protection		
	Mounting	Support Embedded,wall-mounted,Desktop and VESA mounting		
	Power Supply	Phoenix terminal: DC 12~24V input		
	Power Dissipation	8W	10W	12W
	Signal input	VGA & DVI-D		
	Net Weight	2.95kg	3.34kg	4.34kg
LCD	LCD Type	12.1" XGA TFT	15" XGA TFT	17" SXGA TFT
	Resolution	1024×768	1024×768	1280×1024
	Colors	16.7MB	16.2MB	16.7MB
	Active Area (W×H)	246mm×184mm (9.69"×7.24")	304mm×228mm (11.97"×8.98")	338mm×270mm (13.31"×10.63")
	Backlight	WLED	WLED	WLED
	MTBF (hour)	30000hrs	50000hrs	50000hrs
	Pixel Pitch (H×V)	0.240×0.240	0.297×0.297	0.264×0.264
	Luminance	350cd/m ²	350cd/m ²	350cd/m ²
	Contrast Ratio	800 : 1	700 : 1	1000 : 1
	Viewing Angle	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80
Touchscreen	Touchscreen type	Resistive touch screen		
	Resolution	4096×4096		
	Transmittance	> 75%		
	Controller interface	USB		
	Driver Support	Windows 7, Windows8, Windows10, Linux		
	Response Time (touch Pen)	< 5ms		
	Surface Hardness	Mohs' Hardness 3H		
	Click Life	250g / 35,000,000 times		
	Draw life	250g / 5,000,000 times		
Environmental	Work Temperature	-20 ~ 60°C (-4~140°F)(Wide temperature SSD) / 0 ~ 45°C (32~113°F)(General temperature HDD/SSD)		
	Storage Temperature	-30 ~ 80°C (-22~176°F)		
	Relative Humidity	5 ~ 95% RH@40°C (Non-condensation)		
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64		
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27		
	EMC	CE/FCC Class B		
	Water-proof	Front panel IP65		

Touch Screen Monitor

Complete specifications and categories



Customized YOUR Panel Color Style

WP SERIES

WP Series IP69K Industrial Touch Monitor



WP waterproof products is designed for harsh environments with a high-strength 304 stainless steel housing that meets IP69K protection. It has the characteristics of waterproof, corrosion resistance, chemical resistance, detergent resistance, disinfectant resistance etc, and can be cleaned or sterilized with a high-pressure water gun during operation. It is widely used in harsh applications, like food processing, clinical, chemical, chemical or pharmaceutical fields.

All-in-one design, fully sealed enclosure, industrial grade touch screen, optional 15, 19 and 21.5 size, All interfaces are designed with M12 aerial plugs, which can prevent the entry of water vapor in humid environments. DC 12~24V with overcurrent, overvoltage and reverse connection protection measures. Standard VESA mounting ensuring easy and flexible installation in a variety of environments.



Rugged IP69K stainless steel case

High-strength 304 stainless steel housing that meets IP69K protection.



Neutral front Panel

Neutral front panel design without logo, accept print logo service, as well as neutral packing optional.



Excellent touch accuracy

Touchscreen with water, dust, oil proof, click life is 50 million times.



Fanless design

Fanless design but working temperature is -20 to 60 °C.



M12 waterproof plug

All interfaces use waterproof aviation plugs which are waterproof, corrosion-resistant, chemical-resistant, detergent-resistant, and disinfectant-resistant.



DC12V/24V Power input

DC 12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection.



WPXXXXP-R SERIES



Model No.		WP1501P-R	WP1901P-R	WP2151P-R
General	Control button	-		
	Dimension (W×H×D)	360mm×284mm×58mm (14.17"×11.18"×2.28")	440mm×365mm×58mm (17.32"×14.37"×2.28")	540mm×332mm×59mm (21.26"×13.07"×2.32")
	Box structure	Stainless steel machine, drawing process		
	Mounting	Support VESA mountin		
	Power Supply	12~24VDC input		
	Power Dissipation	13.6W	18.4W	21.3W
	Signal input	HDMI		
LCD	LCD Type	15" XGA TFT	19" SXGA TFT	21.5" Full HD TFT
	Resolution	1024×768	1280×1024	1920×1080
	Colors	16.2MB	16.7MB	16.7MB
	Active Area (W×H)	304mm×228mm (11.97"×8.98")	376.3mm×301mm (14.81"×11.85")	476mm×268mm (18.74"×10.55")
	Backlight	WLED	WLED	WLED
	MTBF (hour)	50000hrs	30000hrs	50000hrs
	Pixel Pitch (H×V)	0.297×0.297	0.294×0.294	0.248×0.248
	Luminance	350cd/m ²	250cd/m ²	250cd/m ²
	Contrast Ratio	700 : 1	1000 : 1	1000 : 1
	Viewing Angle	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 89 / (R) 89 / (T) 89 / (B) 89
Touchscreen	Touchscreen type	Resistive touch screen		
	Resolution	4096×4096		
	Transmittance	> 75%		
	Controller interface	USB		
	Driver Support	Windows 7, Windows8, Windows10, Linux		
	Response Time (touch Pen)	< 5ms		
	Surface Hardness	Mohs' Hardness 3H		
	Click Life	250g / 35,000,000 times		
Environmental	Draw life	250g / 5,000,000 times		
	Work Temperature	-20 ~ 60°C (-4~140°F)(Wide temperature SSD) / 0 ~ 45°C (32~113°F)(General temperature HDD/SSD)		
	Storage Temperature	-30 ~ 80°C (-22~176°F)		
	Relative Humidity	5 ~ 95% RH@40°C (Non-condensation)		
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64		
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27		
	EMC	CE/FCC Class B		
	Water-proof	The whole machine IP69K		

WPXXXXP-C SERIES



Model No.		WP1501P-C	WP1901P-C	WP2151P-C
General	Control button	-		
	Dimension (W×H×D)	360mm×284mm×58mm (14.17"×11.18"×2.28")	440mm×365mm×58mm (17.32"×14.37"×2.28")	540mm×332mm×59mm (21.26"×13.07"×2.32")
	Box structure	Stainless steel machine, drawing process		
	Mounting	Support VESA mountin		
	Power Supply	12~24VDC input		
	Power Dissipation	13.6W	18.4W	21.3W
	Signal input	HDMI		
LCD	LCD Type	15" XGA TFT	19" SXGA TFT	21.5" Full HD TFT
	Resolution	1024×768	1280×1024	1920×1080
	Colors	16.2MB	16.7MB	16.7MB
	Active Area (W×H)	304mm×228mm (11.97"×8.98")	376.3mm×301mm (14.81"×11.85")	476mm×268mm (18.74"×10.55")
	Backlight	WLED	WLED	WLED
	MTBF (hour)	50000hrs	30000hrs	50000hrs
	Pixel Pitch (H×V)	0.297×0.297	0.294×0.294	0.248×0.248
	Luminance	350cd/m ²	250cd/m ²	250cd/m ²
	Contrast Ratio	700 : 1	1000 : 1	1000 : 1
	Viewing Angle	(L) 80 / (R) 80 / (T) 80 / (B) 80	(L) 85 / (R) 85 / (T) 80 / (B) 80	(L) 89 / (R) 89 / (T) 89 / (B) 89
Touchscreen	Touchscreen type	Multi-point capacitive touch screen		
	Transmittance	> 87%		
	Controller interface	USB		
	Driver Support	Windows7, Windws 8, Windows 10, Linux		
	Multi-touch	10 points (windows system)		
	Surface Hardness	Mohs' Hardness 7H		
	Work Temperature	-20 ~ 60°C (-4~140°F)(Wide temperature SSD) / 0 ~ 45°C (32~113°F)(General temperature HDD/SSD)		
Environmental	Storage Temperature	-30 ~ 80°C (-22~176°F)		
	Relative Humidity	5 ~ 95% RH@40°C (Non-condensation)		
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64		
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27		
	EMC	CE/FCC Class B		
	Water-proof	The whole machine IP69K		