

PV-Xi Series



PV-Xi | PanelWorx PC-Based HMI

DYNICS PV-Xi PanelWorx is a series of PC-based HMI units featuring powerful and efficient CPU options. Your choice of either an Intel® Apollo Lake Quad Core™ Pentium® N4200 Processor as in the Standard model, or Intel® Whiskey Lake-U 8th Gen Core™ i5-8265U / i7-8565U as in the Pro model. Serving as a major-brand drop-in replacement, the PV-Xi series offers versatile compatibility through a range of display sizes and various operating systems.

- Fan-less (No Moving Parts)
- 24VDC (3-Pin) Power Entry
- NEMA 4 Powder Coat
- Analog Resistive Touch Screen

DISPLAY SPECIFICATIONS

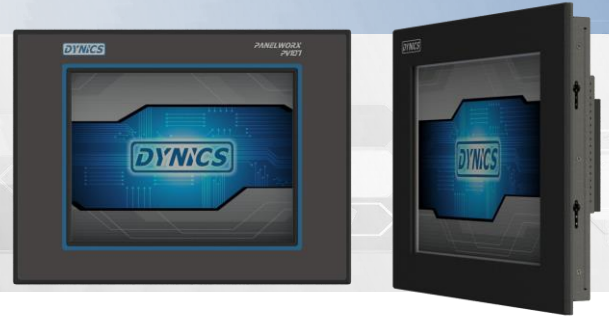
MODEL:	PV106			PV126			PV156			PV107			PV127			PV157		
	(PanelView™ Plus 6 Touch Version)			(PanelView™ Plus 7 Touch Version)														
SIZE	10"			12"			15"			10"			12"			15"		
RESOLUTION	SVGA 800 x 600			SVGA 800 x 600			XGA 1024 x 768			SVGA 800 x 600			WXGA 1280 x 800			XGA 1024 x 768		
VIEW ANGLE	H: -80°/+80° V: -80°/+80°			H: -80°/+80° V: -75°/+65°			H: -80°/+80° V: -80°/+80°			H: -80°/+80° V: -80°/+80°			H: -80°/+80° V: -75°/+65°			H: -80°/+80° V: -80°/+80°		
CONTRAST	900:1			700:1			600:1			900:1			700:1			600:1		
BRIGHTNESS	400 nits			450 nits			350 nits			400 nits			450 nits			350 nits		
ASPECT RATIO	4:3			4:3			4:3			4:3			16:10			4:3		
LENS	5-Wire Analog Resistive (Touch Screen)																	
LCD LIFE	50,000 Hour Backlight Half-Life																	
ENCLOSURE	NEMA 4 Powder Coat Finish (Black) / NEMA 4X Stainless Steel (optional, contact DYNICS for more details)																	

PC SPECIFICATIONS

COMPUTER I/O	Intel® Apollo Lake (Standard Model)		Intel® Whiskey Lake-U (Pro Model)	
	1Gb Ethernet Ports	2x	2x	2x
USB 3.0 Ports	2x	2x	4x	4x
USB 2.0 Ports	2x	2x	-	-
RS232/422/485 Port	1x	1x	1x	1x
RS232 Ports	3x	3x	-	-
Analog VGA Port	1x	1x	-	-
HDMI Port	1x	1x	2x	2x
Audio Jacks (Line-Out)	1x	1x	-	-
POWER SUPPLY	24VDC (3-Pin) Power Entry			
CPU	Apollo Lake Quad Core™ Pentium® N4200		Intel® 8th Gen Core™ i5-8265U / i7-8565U	
CPU SPEED	Up To 2.5GHz Turbo, 2MB Cache (4 Cores, 4 Threads)		i5- up to 3.9 GHz, 6MB Cache (4 cores, 8 threads) i7- up to 4.6 GHz, 8MB Cache (4 cores, 8 threads)	
MEMORY STORAGE	Standard: Up to 8GB DDR3 PRO: Up to 16GB DDR3 256GB M.2 Solid State SATA Flash Drive			
OPERATING SYSTEM	-Windows® 10 Enterprise IoT LTSC 2019 (64-bit) (Code=E19) -Windows® 10 Pro (64-bit) (Code=W10) -Linux® Ubuntu® (Code=LUB) (Not compatible with ProViewDS or FactoryTalk)			
TEMPERATURE	Operating: 0°-50°C 32°-122°F Non-Operating: -25°-60°C -13°-140°F			
RELATIVE HUMIDITY	Non-Condensing: 20% - 80%			
SHOCK RESISTANCE	Operating: 10G Non-Operating: 15G			
VIBRATION	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz			
INCLUDED	1x 3-Pin Quick Disconnect Power Cable			
COMPLIANCE	EU: RoHS Directive 2011/65/EU, EN 50581			
WARRANTY	24-Month limited warranty. 3-year extended warranty available, contact DYNICS for more details.			



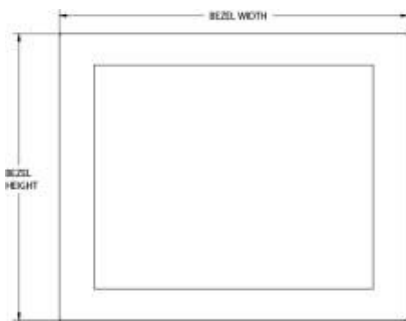
PV-Xi Series



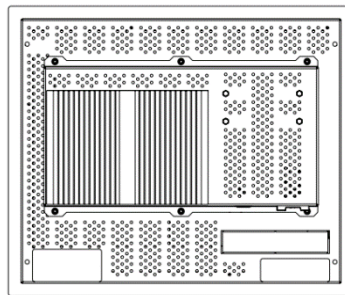
DIMENSIONS, WEIGHT AND POWER CONSUMPTION

Dynics Model	Competitive Model	Cutout Height	Cutout Width	Bezel Height	Bezel Width	Depth	Weight*	Power Consumption**
PV106	PanelView Plus 6 - 10"	8.8" 223.8mm	11.9" 302.8mm	9.7" 248mm	12.9" 329mm	3.31" 84.2mm	7.2 lbs.	35 Watts
PV126	PanelView Plus 6 - 12"	10.0" 254.8mm	13.2" 335.5mm	11.1" 282mm	14.3" 363mm	3.2" 82.2mm	8.1 lbs.	35 Watts
PV156	PanelView Plus 6 - 15"	11.9" 303.9mm	15.4" 389.9mm	12.9" 330mm	16.4" 416mm	3.5" 88.9mm	12.0 lbs.	40 Watts
PV107	PanelView Plus 7 - 10"	8.82" 224mm	10.59" 269mm	9.9" 252mm	11.7" 296.9mm	3.3" 84.9mm	5.9 lbs.	35 Watts
PV127	PanelView Plus 7 - 12"	8.5" 218mm	11.9" 302.8mm	9.5" 241mm	12.9" 330mm	3.3" 83.9mm	10.7 lbs.	35 Watts
PV157	PanelView Plus 7 - 15"	11.42" 290mm	13.9" 353mm	12.52" 318mm	15.0" 381mm	3.3" 83.9mm	8.6 lbs.	40 Watts

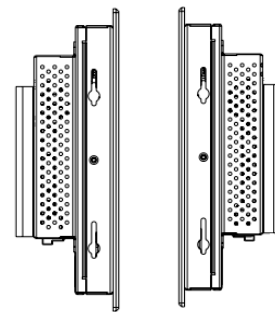
MECHANICAL DRAWINGS FRONT VIEW



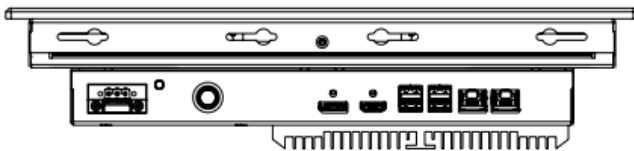
BACK VIEW



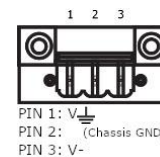
SIDE VIEWS



BOTTOM VIEW

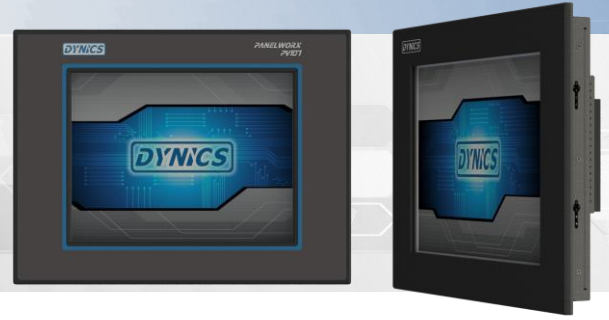


POWER ENTRY 24VDC



All measurements are in inches and pounds, unless noted. Pictures and drawings are not to scale. Estimated weight may change depending on options. DYNICS Reserves the right to change, modify, upgrade, or discontinue any part of this datasheet without any prior notice.

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PART NUMBER INFORMATION – STANDARD MODELS

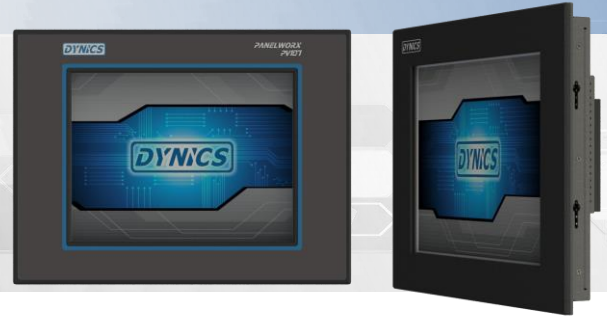
Part#	Display Size	Display Type	Aspect Ratio	Competitive Model	CPU	RAM	Storage	OS	Software
PV106PTXiAHDJF1CE19TEYPSW	10.4"	SVGA	4:3	PanelView Plus 6	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV107PTXiAHDJF1CE19TEYPSW				PanelView Plus 7	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV106PTXiAHDJF1CE19TEYFTV				PanelView Plus 6	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV107PTXiAHDJF1CE19TEYFTV				PanelView Plus 7	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV126PTXiAHDJF1CE19TEYPSW	12"	SVGA	4:3	PanelView Plus 6	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV127PTXiAHDJF1CE19TEYPSW	12.1"	WXGA	16:10	PanelView Plus 7	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV126PTXiAHDJF1CE19TEYFTV	12"	SVGA	4:3	PanelView Plus 6	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV127PTXiAHDJF1CE19TEYFTV	12.1"	WXGA	16:10	PanelView Plus 7	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV156PTXiAHDJF1CE19TEYPSW	15"	XGA	4:3	PanelView Plus 6	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV157PTXiAHDJF1CE19TEYPSW				PanelView Plus 7	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV156PTXiAHDJF1CE19TEYFTV				PanelView Plus 6	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV157PTXiAHDJF1CE19TEYFTV				PanelView Plus 7	Apollo Lake N4200	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV106PTXiAHDJF1CE19UEZPSW	10.4"	SVGA	4:3	PanelView Plus 6	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV107PTXiAHDJF1CE19UEZPSW				PanelView Plus 7	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV106PTXiAHDJF1CE19UEZFTV				PanelView Plus 6	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV107PTXiAHDJF1CE19UEZFTV				PanelView Plus 7	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV126PTXiAHDJF1CE19UEZPSW	12"	SVGA	4:3	PanelView Plus 6	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV127PTXiAHDJF1CE19UEZPSW	12.1"	WXGA	16:10	PanelView Plus 7	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV126PTXiAHDJF1CE19UEZFTV	12"	SVGA	4:3	PanelView Plus 6	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV127PTXiAHDJF1CE19UEZFTV	12.1"	WXGA	16:10	PanelView Plus 7	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV156PTXiAHDJF1CE19UEZPSW	15"	XGA	4:3	PanelView Plus 6	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV157PTXiAHDJF1CE19UEZPSW				PanelView Plus 7	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV156PTXiAHDJF1CE19UEZFTV				PanelView Plus 6	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV157PTXiAHDJF1CE19UEZFTV				PanelView Plus 7	Apollo Lake N4200	16GB	512GB	Win 10 IoT 2019 LTSC	FTME

PanelWorx HMI Common Configurations Standard

Pro Model Part Number Information Continued on Page 4



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PART NUMBER INFORMATION – PRO MODELS

Part#	Display Size	Display Type	Aspect Ratio	Competitive Model	CPU	RAM	Storage	OS	Software
PV106PTXiXHDBB1EE19BFBPSW	10.4"	SVGA	4:3	PanelView Plus 6	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV107PTXiXHDBB1EE19BFBPSW				PanelView Plus 7	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV106PTXiXHDBB1EE19BFBFTV				PanelView Plus 6	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV107PTXiXHDBB1EE19BFBFTV				PanelView Plus 7	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV126PTXiXHDBB1EE19BFBPSW	12"	SVGA	4:3	PanelView Plus 6	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV127PTXiXHDBB1EE19BFBPSW	12.1"	WXGA	16:10	PanelView Plus 7	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV126PTXiXHDBB1EE19BFBFTV	12"	SVGA	4:3	PanelView Plus 6	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV127PTXiXHDBB1EE19BFBFTV	12.1"	WXGA	16:10	PanelView Plus 7	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV156PTXiXHDBB1EE19BFBPSW	15"	XGA	4:3	PanelView Plus 6	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV157PTXiXHDBB1EE19BFBPSW				PanelView Plus 7	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	PVDS
PV156PTXiXHDBB1EE19BFBFTV				PanelView Plus 6	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV157PTXiXHDBB1EE19BFBFTV				PanelView Plus 7	i5-8265U	8GB	256GB	Win 10 IoT 2019 LTSC	FTME
PV106PTXiXHDBB1EE19CFCPSW	10.4"	SVGA	4:3	PanelView Plus 6	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV107PTXiXHDBB1EE19CFCPSW				PanelView Plus 7	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV106PTXiXHDBB1EE19CFCFTV				PanelView Plus 6	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV107PTXiXHDBB1EE19CFCFTV				PanelView Plus 7	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV126PTXiXHDBB1EE19CFCPSW	12"	SVGA	4:3	PanelView Plus 6	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV127PTXiXHDBB1EE19CFCPSW	12.1"	WXGA	16:10	PanelView Plus 7	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV126PTXiXHDBB1EE19CFCFTV	12"	SVGA	4:3	PanelView Plus 6	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV127PTXiXHDBB1EE19CFCFTV	12.1"	WXGA	16:10	PanelView Plus 7	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV156PTXiXHDBB1EE19CFCPSW	15"	XGA	4:3	PanelView Plus 6	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV157PTXiXHDBB1EE19CFCPSW				PanelView Plus 7	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	PVDS
PV156PTXiXHDBB1EE19CFCFTV				PanelView Plus 6	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	FTME
PV157PTXiXHDBB1EE19CFCFTV				PanelView Plus 7	i5-8265U	16GB	512GB	Win 10 IoT 2019 LTSC	FTME

PanelWorx HMI Common Configurations Pro

Additional part numbers and configurations are available, contact DYNICS for more details

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