



ThinManager® PV-Xi Series



PV-Xi | PanelWorx PC-Based HMI (ThinManager®)

DYNICS ThinManager® PV-Xi PanelWorx is a series of PC-based HMI units featuring powerful and an Intel® Apollo Lake Dual Core™ Celeron® N3350 Processor. ThinManager® offers sustainable productivity solutions for industrial environments through a secure platform. Serving as a major-brand drop-in replacement, the PV-Xi series provides versatile compatibility through a range of display sizes and various operating systems.

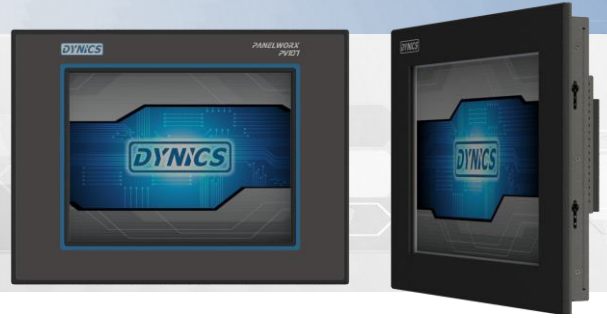
- Fan-less (No Moving Parts)
- 24VDC (3-Pin) Power Entry
- Pending UL Listing
- ThinManager® Ready
- NEMA 4 Powder Coat
- Analog Resistive Touch Screen

DISPLAY SPECIFICATIONS

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

PC SPECIFICATIONS

COMPUTER I/O	Intel® Apollo Lake (Standard Model)
1Gb Ethernet Ports	2x
USB 3.0 Ports	2x
USB 2.0 Ports	2x
RS232/422/485 Port	1x
RS232 Ports	3x
Analog VGA Port	1x
HDMI Port	1x
Audio Jacks (Line-Out)	1x
POWER SUPPLY	24VDC (3-Pin) Power Entry
CPU	Apollo Lake Dual Core™ Celeron® N3350
CPU SPEED	Up To 2.4GHz Turbo, 2MB Cache (2 Cores, 2 Threads)
MEMORY	Standard: Up to 8GB DDR3
THINMANAGER® SERVER SYSTEM REQUIREMENTS	Minimum requirements ThinManager® 11.0 or newer, TermCap 9.12.1.43 or newer, and firmware package 11.0.0 or newer; Recommended ThinManager® V12.0, no updates required. Termcap.db.9.12.1.43 termcap file Termpack-11.0.0.pkg firmware package
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
ALTITUDE	Maximum altitude of 2,000 meters
INCLUDED	1x 3-Pin Quick Disconnect Power Cable
COMPLIANCE	USA / Canada: UL/cUL Pending EU: RoHS Directive 2011/65/EU, EN 50581
WARRANTY	24-Month limited warranty. 3-year extended warranty available, contact DYNICS for more details.

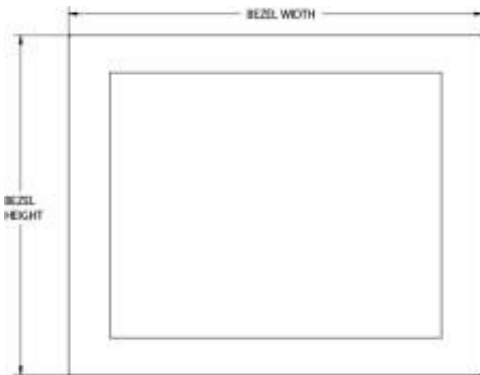


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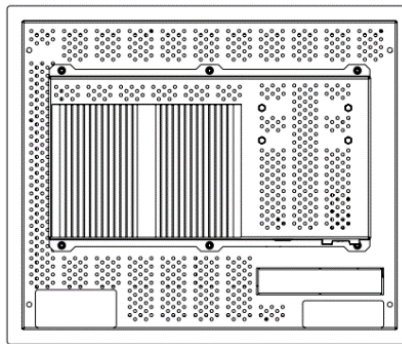
DIMENSIONS, WEIGHT AND POWER CONSUMPTION

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

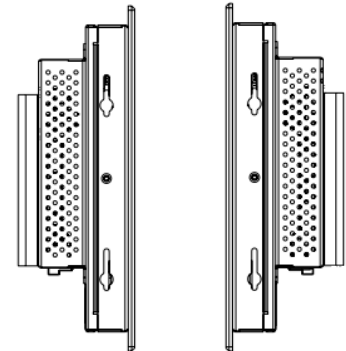
MECHANICAL DRAWINGS FRONT VIEW



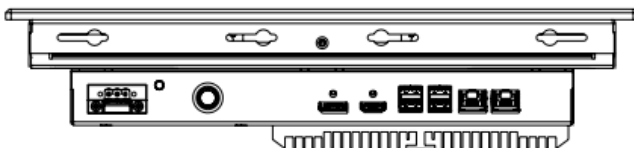
BACK VIEW



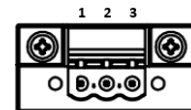
SIDE VIEWS



BOTTOM VIEW



POWER ENTRY 24VDC



PIN 1: V+
PIN 2: \perp (Chassis Ground)
PIN 3: V-

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

	Part #	Display Size	Display Type	Aspect Ratio	Competitive Model	CPU	RAM	ThinManager®
ThinManager® PanelWorx HMI Common Configurations	PV106PT-DC-TM-001	10.4"	SVGA	4:3	PanelView Plus 6	Apollo Lake N3350	4GB	ThinManager® Enabled
	PV107PT-DC-TM-001				PanelView Plus 7	Apollo Lake N3350	4GB	ThinManager® Enabled
	PV126PT-DC-TM-001	12"	SVGA	4:3	PanelView Plus 6	Apollo Lake N3350	4GB	ThinManager® Enabled
	PV127PT-DC-TM-001	12.1"	WXGA	16:10	PanelView Plus 7	Apollo Lake N3350	4GB	ThinManager® Enabled
	PV156PT-DC-TM-001	15"	XGA	4:3	PanelView Plus 6	Apollo Lake N3350	4GB	ThinManager® Enabled
	PV157PT-DC-TM-001				PanelView Plus 7	Apollo Lake N3350	4GB	ThinManager® Enabled

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

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