



ACP® PW-BTMI

Datasheet

PW-BTMI | ACP® ThinManager

DYNICS PW-BTMI ACP® is an industrial PC with ThinManager enabled.

Key Features

- UL Certified
- Fan-less
- No Moving Parts
- ACP ThinManager Ready
- 24VDC

Display Specifications

Size	Resolution	View Angle	Contrast	Brightness	Aspect Ratio
10"	SVGA 800 x 600	H: -80°/+80°, V: -80°/+80°	900:1	400 nits	4:3
12"	SVGA 800 x 600	H: -80°/+80°, V: -75°/+60°	700:1	450 nits	4:3
15"	XGA 1024 x 768	H: -80°/+80°, V: -80°/+80°	600:1	400 nits	4:3
17"	SXGA 1280 x 1024	H: -85°/+85°, V: -80°/+80°	1000:1	350 nits	5:4
19"	SXGA 1280 x 1024	H: -85°/+85°, V: -80°/+80°	1000:1	350 nits	5:4
Lens	5-Wire Analog Resistive (Touch Screen) / Protective Polycarbonate Lens (Non-Touch)				
LCD Life	50,000 Hour Backlight Half-Life				
Enclosure	NEMA 4 Powder Coat Finish / NEMA 4X Stainless Steel				

PC Specifications

Motherboard	3.5" Bay Trail
I/O	2x 1Gb Ethernet Ports 1x RS232/422/485 Port 3x RS232 Ports 2x USB 3.0 Ports 2x USB 2.0 Ports 1x VGA Port 1x HDMI Port 1x Audio Jacks (Line-Out)
ACP® ThinManager	ACP® ThinManager Enabled
CPU	Bay Trail N2807
CPU Speed	1.58GHz Base, 2.16GHz Turbo (2 Cores, 2 Threads)
Memory	2GB DDR3
Power Supply	24VDC
Temperature	Operating: 0° - 50°C (32° - 122°F) Non-Operating: -25° - 60°C (-13° - 140°F)
Relative Humidity	Non-Condensing: 20% - 80%
Shock	Operating: 10G Non-Operating: 15G
Vibration	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz
Compliance	USA: UL 60950-1 (UL Listed), FCC 47 CFR Part 15, Class A Canada: CSA C22.2 No. 60950-1-07 (cUL Listed), ICES-001, Group, Class A European Union CE: EN 60950-1, EN 61326-1, CISPR 11, Group 1, Class A European Union Directive 2011/65/EU (RoHS)
Warranty	24-Month limited warranty. Extended warranty available, contact DYNICS for details.





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Dimensions, Weight and Power Consumption

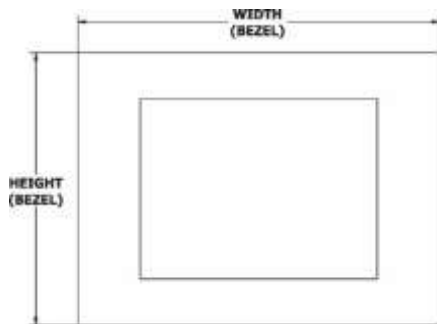
	10"	12"	15"	17"	19"
Height (Bezel)	9.800" (248.9mm)	10.990" (248.9mm)	11.878" (301.7mm)	14.020" (356.1mm)	15.415" (391.5mm)
Width (Bezel)	13.240" (336.2mm)	13.750" (349.2mm)	15.826" (401.9mm)	17.800" (452.1mm)	18.765" (476.6mm)
Height (Cutout)	8.820" (224.0mm)	9.900" (251.4mm)	11.270" (286.2mm)	13.000" (330.2mm)	14.420" (366.2mm)
Width (Cutout)	10.020" (305.3mm)	12.660" (321.5mm)	15.250" (387.3mm)	16.720" (424.6mm)	17.750" (450.8mm)
Depth	3.180" (80.7mm)	3.180" (80.7mm)	3.180" (80.7mm)	2.930" (74.6mm)	2.930" (74.6mm)
Weight	15 lbs.*	17 lbs.*	18 lbs.*	24 lbs.*	28 lbs.*
Power Consumption	30 Watts**	35 Watts**	40 Watts**	50 Watts**	50 Watts**

*Weights are approximate, contact DYNICS for details.

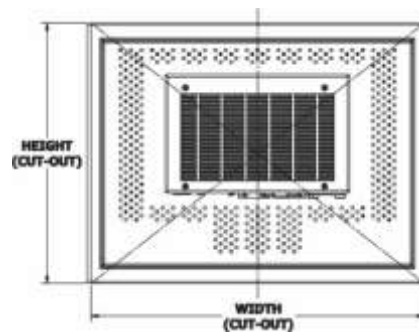
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

Mechanical Drawings

Front View



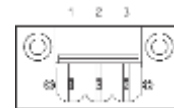
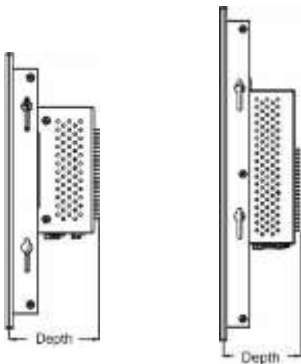
Back View



10"

12" / 15" / 17" / 19"

Power Entry 24VDC



Pin 1: +
Pin 2: GND
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.

