



# ACP® SW-BTMI

## Datasheet



### SW-BTMI | ACP® ThinManager

DYNICS SW-BTMI ACP® is a wide screen PC-based HMI featuring a powerful dual core processor. This versatile, ACP enabled system is available in a wide range of display sizes with 5-Wire resistive touch screen.

#### Key Features

- UL Certified
- Fan-less
- 24VDC
- Drop in Replacement for Proprietary Systems
- No Moving Parts
- ACP® ThinManager Ready

#### Display Specifications

Size	Resolution	View Angle	Contrast	Brightness	Aspect Ratio
15.6"	FHD 1920 x 1080	H: -80°/+80°, V: -80°/+80°	800:1	400 nits	16:9
18.5"	FHD 1920 x 1080	H: -85°/+85°, V: -85°/+85°	1500:1	400 nits	16:9
21.5"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	5000:1	300 nits	16:9
24"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	3000:1	300 nits	16:9
<b>Lens</b>	5-Wire Analog Resistive (Touch Screen)				
<b>LCD Life</b>	50,000 Hour Backlight Half-Life				
<b>Enclosure</b>	NEMA 4 Powder Coat Finish / NEMA 4X Stainless Steel				

#### PC Specifications

<b>Motherboard</b>	<b>3.5" Bay Trail</b>
<b>I/O</b>	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 Jack (Line-Out)
<b>ACP® ThinManager</b>	ACP® ThinManager Enabled
<b>CPU</b>	Bay Trail N2807
<b>CPU Speed</b>	1.58GHz Base, 2.16GHz Turbo (2 Cores, 2 Threads)
<b>Memory</b>	2GB DDR3
<b>Power Supply</b>	24VDC (AC power option available, contact DYNICS for details.)
<b>Temperature</b>	Operating: 0° - 50°C (32° - 122°F) Non-Operating: -25° - 60°C (-13° - 140°F)
<b>Relative Humidity</b>	Non-Condensing: 20% - 80%
<b>Shock</b>	Operating: 10G Non-Operating: 15G
<b>Vibration</b>	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz
<b>Compliance</b>	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)
<b>Warranty</b>	24-Month limited warranty. Extended warranty available, contact DYNICS for details.





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### Dimensions, Weight and Power Consumption

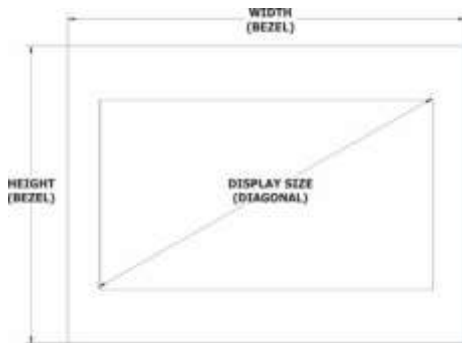
	12"	15"	19"	22"	24"	
<b>Height</b> (Bezel)	9.488" (240.9mm)	12.205" (310.0mm)	13.268" (337.0mm)	14.960" (379.9mm)	15.500" (393.7mm)	
<b>Width</b> (Bezel)	12.992" (329.9mm)	16.339" (415.0mm)	19.016" (483.0mm)	22.047" (559.9mm)	24.640" (625.8mm)	
<b>Height</b> (Cutout)	8.701" (221.0mm)	11.417" (289.9mm)	12.520" (318.0mm)	14.213" (361.0mm)	14.350" (364.4mm)	
<b>Width</b> (Cutout)	12.205" (310.0mm)	15.551" (394.9mm)	18.268" (464.0mm)	21.338" (541.9mm)	23.490" (596.6mm)	
<b>Depth</b>	3.126" (79.4mm)	2.938" (74.6mm)	3.063" (77.8mm)	3.026" (76.8mm)	3.063" (77.8mm)	
<b>Weight</b>	7 lbs.*	14 lbs.*	16 lbs.*	22 lbs.*	22 lbs.*	
<b>Power Consumption</b>	<b>AC</b>	35 Watts**	40 Watts**	45 Watts**	60 Watts**	85 Watts**
	<b>DC</b>	30 Watts**	25 Watts**	45 Watts**	55 Watts**	80 Watts**

\*Weights are approximate. Contact DYNICS for details.

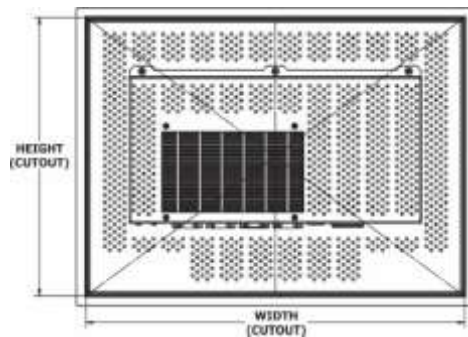
\*\*Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

### Mechanical Drawings

#### Front View



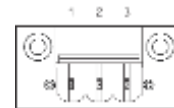
#### Back View



#### Depth View



#### Power Entry 24VDC



Pin 1: GND  
Pin 2: CHASSIS 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.

