



PV-BTMI

PV-BTMI | Industrial Panel PC

DYNICS PV-BTMI is a PC-based HMI featuring a Braswell quad core processor, with your choice of operating system. Designed to be a simple drop-in replacement for proprietary systems, within industrial environments.

- Fan-less (No Moving Parts)
- 100~240VAC / 24VDC

DISPLAY SPECIFICATIONS

SIZE	6.5"	10.4"	12.1"	15"
RESOLUTION	VGA 640 x 480	SVGA 800 x 600	SVGA 800 x 600	XGA 1024 x 768
VIEW ANGLE	H: -80°/+80° V: -70°/+70°	H: -80°/+80° V: -80°/+80°	H: -80°/+80° V: -75°/+60°	H: -80°/+80° V: -80°/+80°
CONTRAST	600:1	900:1	700:1	600:1
BRIGHTNESS	700 nits	400 nits	450 nits	400 nits
ASPECT RATIO	4:3	4:3	4:3	4:3
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 (Black) / NEMA 4X Stainless Steel			

PC SPECIFICATIONS

	3.5" Braswell (7" – 10" DC Only)	3.5" Braswell (12" – 15" AC / DC)
COMPUTER I/O		
1Gb Ethernet Ports	2x	2x
USB 3.0 Ports	4x	4x
RS232/422/485 Port	2x	2x
RS232 Ports	-	3x
DisplayPort	1x	1x
HDMI Port	1x	1x
POWER SUPPLY	24VDC Power Entry	100~240VAC / 24VDC Power Entry
CPU	CPU Braswell N3160	
CPU SPEED	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)	
MEMORY	Up to 8GB DDR3	
STORAGE	240GB mSATA	
OPERATING SYSTEM	-Windows® 7 Professional (64-bit) - Windows® Embedded Standard 7 (64-bit) -Windows® 10 Enterprise IoT LTSC 2019 (64-bit) - Windows® 10 Enterprise Pro (64-bit) -Windows® 10 Enterprise IoT LTSB 2016 (64-bit) -Linux Ubuntu	
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 COMPLIANCE	1x 6 ft. Power Cable (AC only) USA: UL Listed, UL 61010-1+UL 61010-2-201, FCC 47CFR Part 15 Class A Canada: CUL Listed, CSA C22.2 No. 61010-1-12+CSA C22.2 No. 61010-2-201, ICES-001, Class A EU: RoHS Directive 2011/65/EU, EN 50581, EMC Directive 2014/30/EU, EN 61326-1, Low Voltage Directive 2014/35/EU, EN 61010-1+EN 61010-2-201 (Q370,PIXE,PIX1E Pending)	
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.	





PV-BTMI

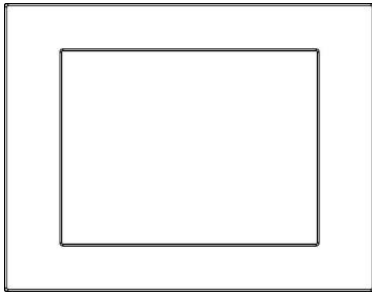
DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	6.5"	10.4"	12.1"	15"
HEIGHT (BEZEL)	7.0" (179.0mm)	9.8" (248.0mm)	11.1" (282.0mm)	13.0" (329.9mm)
WIDTH (BEZEL)	9.7" (246.0mm)	13" (329.0mm)	14.3" (363.0mm)	16.4" (416.0mm)
HEIGHT (CUTOUT)	6.1" (154.0mm)	8.8" (223.8mm)	10.1" (257.0mm)	12.0" (304.8mm)
WIDTH (CUTOUT)	8.7" (220.0mm)	12.0" (304.8mm)	13.3" (338.0mm)	15.4" (391.0mm)
DEPTH	3.2" (82.2mm)	4.1" (103.1mm)	4.1" (103.1mm)	4.1" (103.1mm)
WEIGHT	4 lbs.*	9 lbs.*	10 lbs.*	13 lbs.*
POWER CONSUMPTION	30 Watts**	35 Watts**	35 Watts**	45 Watts**

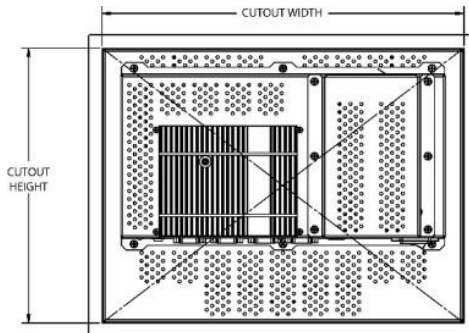
* Weights are approximate, contact DYNICS for details.

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

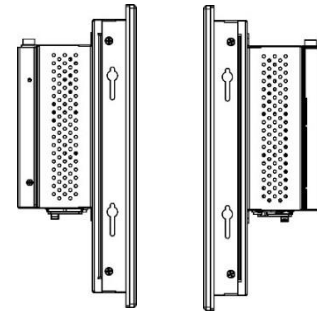
MECHANICAL DRAWINGS FRONT VIEW



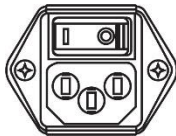
BACK VIEW



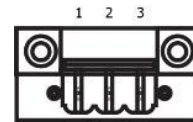
SIDE VIEW



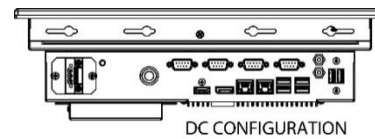
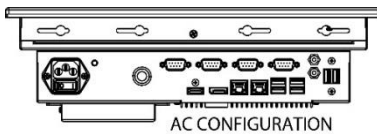
Power Entry 100~240VAC



Power Entry 24VDC



PIN 1: V+
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.

