DYNICS

PANEL MOUNT PC

GOODYEAR

PV07BTMI-LITE-E10-C-GYR
PV07BTMI-LITE-XXX-C-GYR

PV-BTMI | Industrial Panel PC

DYNICS PV-BTMI is a PC-based HMI featuring a Braswell quad core processor, with Windows® 10 Enterprise IoT (64-bit) operating system. Designed to be a simple drop-in replacement for proprietary systems, within industrial environments.

- **Fan-less (No Moving Parts)**
- **24VDC**

DISPLAY SPECIFICATIONS

SIZE	**6.5”**
RESOLUTION	VGA 640 x 480
VIEW ANGLE	H: -80°/+80° V: -70°/+70°
CONTRAST	600:1
BRIGHTNESS	700 nits
ASPECT RATIO	4:3
LENS	5-Wire Analog Resistive (Touch Screen)
LCD LIFE	50,000 Hour Backlight Half-Life
ENCLOSURE	NEMA 12 / 4 Powder Coat Finish

PC SPECIFICATIONS

COMPUTER I/O	**3.5” Braswell (7” – 10” DC Only)**	
1Gb Ethernet Ports	2x	
USB 3.0 Ports	4x	
RS232/422/485 Port	1x	
RS232 Ports	1x	
DisplayPort	1x	
HDMI Port	1x	
Audio Jacks	2x	
POWER SUPPLY	24VDC Power Entry	
CPU	CPU Braswell N3160	
CPU SPEED	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)	
MEMORY	8GB DDR3	
STORAGE	240GB mSATA	
OPERATING SYSTEM	**PV07BTMI-LITE-E10-C-GYR- Windows® 10 Enterprise IoT LTSB 2016 (64-bit)** **PV07BTMI-LITE-XXX-C-GYR- No Operating System**	
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
COMPLIANCE	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	
WARRANTY	36-Month limited warranty. Extended warranty available, contact DYNICS for more details.	

ACCESSORIES

PART NUMBER	DESCRIPTION
PWR24V40W-A-GYR	40W AC to 24VDC Power Supply, 6 Ft Power Cable included ** For IP20 Configurations

GOODYEAR

RoHS COMPLIANT

Windows 10

MADE IN THE USA

620 TECHNOLOGY DRIVE, ANN ARBOR, MI 48108 | PH: 734.677.6100 | FAX: 734.677.6105 | WWW.DYNICS.COM

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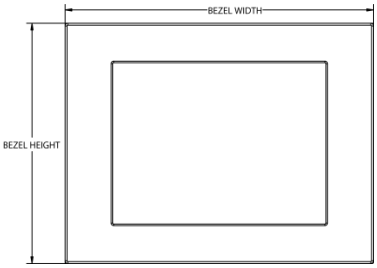
DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	6.5”
HEIGHT (BEZEL)	7.0” (179.0mm)
WIDTH (BEZEL)	9.7” (246.0mm)
HEIGHT (CUTOUT)	6.1” (154.0mm)
WIDTH (CUTOUT)	8.7” (220.0mm)
DEPTH	3.2” (82.2mm))
WEIGHT	4 lbs.*
POWER CONSUMPTION	30 Watts**

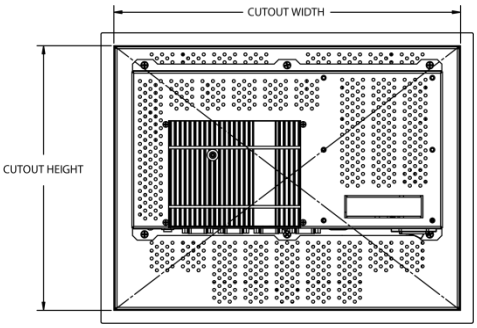
* Weights are approximate, contact DYNICS for details.
** Power consumption is based on maximum ratings, actual ratings vary significantly based on components used.

MECHANICAL DRAWINGS

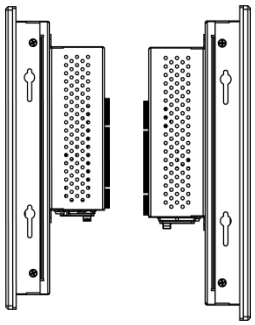
FRONT VIEW



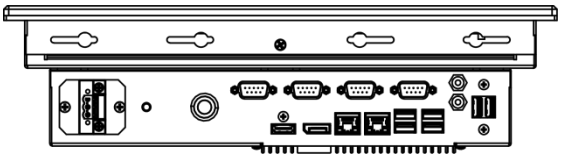
BACK VIEW



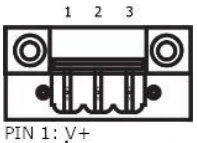
SIDE VIEW



IO VIEW



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.

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Sales Information

For plant locations in the European Union.
Contact us for pricing and availability.
Patrick Poberitz (Business Development Manager)
poberitz@sud-gmbh.de

For plant locations in the United States. (Alabama)
Contact us for pricing and availability.
Steve Slay
steve.slay@kendallelectric.com

For plant locations in Brazil.
Contact us for pricing and availability.
Tiago Oliveira (Business Development Quotations)
tiagooliveira@ladder.com.br

For plant locations in China.
Contact us for pricing and availability.
Li Honglei
lihonglei@will-tech.com.cn

For plant locations in India.
Contact us for pricing and availability.
Sandeep Bhujbal (Sales / Quotations)
sandeepb@rudayapowers.com

For plant locations in the United States. (Ohio)
Contact us for pricing and availability.
Dan Hayes
Dan.Hayes@midwestengineering.com

For plant locations in Brazil.
Contact us for pricing and availability.
Felipe Casagrande
felipe.casagrande@intereng.com.br

For plant locations in Mexico.
Contact us for pricing and availability.
Dan Serafio
dan.serafio@grupoabsa.com