

## SW-PIX



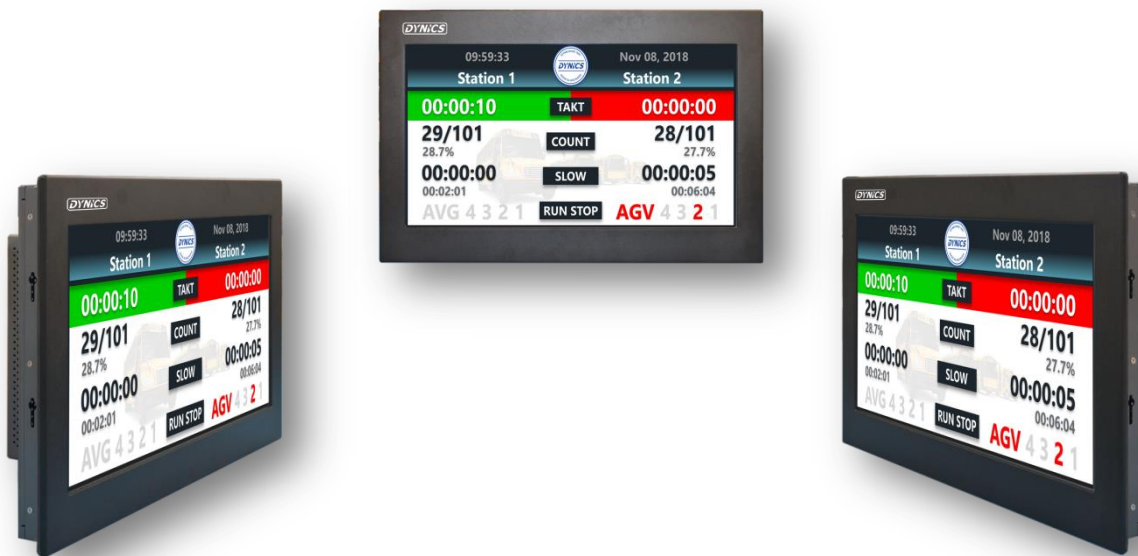
### SW-PIX | INDUSTRIAL PANEL PC

DYNICS SW-PIX is a wide screen industrial display panel PC with your choice of motherboard, built with a NEMA 4/4X bezel. Designed to be a viable drop-in replacement for industrial HMI solutions.

- 100~240VAC / 24VDC
- 0 / 1 / 2 Slots
- UL Listed
- 2.5" SATA SSD and HDD Options
- Half-Size Cards
- Panel Mount Optional: - Dual Drives/CD-DVD

### DISPLAY SPECIFICATIONS

SIZE	15.6"	18.5"	21.5"	24"
<b>RESOLUTION</b>	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
<b>VIEW ANGLE</b>	H: -80°/+80° V: -80°/+80°	H: -85°/+85° V: -85°/+85°	H: -89°/+89° V: -89°/+89°	H: -89°/+89° V: -89°/+89°
<b>CONTRAST</b>	800:1	1500:1	5000:1	3000:1
<b>BRIGHTNESS</b>	400 nits	400 nits	300 nits	300 nits
<b>ASPECT RATIO</b>	16:9	16:9	16:9	16:9
<b>LENS</b>	5-Wire Analog Resistive (Touch Screen) / Protective Polycarbonate Lens (Non-Touch) / Projective Capacitive			
<b>LCD LIFE</b>	50,000 Hour Backlight Half-Life			
<b>ENCLOSURE</b>	NEMA 4 Powder Coat Finish – Suitable for mounting on a flat surface of an enclosure rated type 3R, 3S, 4, 5, and / or 12 (IP66 Self Declared). NEMA 4X Stainless Steel – Suitable for mounting on a flat surface of an enclosure rated Type 3R, 3S, 4, 4X, 5, and / or 12 (IP66 Self Declared). Type 4X indoor use only.			





## SW-PIX

### PC Specifications

#### COMPUTER I/O

1Gb Ethernet Port  
(Supporting Intel® AMT)  
1Gb Ethernet Port  
RS232/422/485 Ports  
USB 3.0 Ports  
USB 2.0 Ports  
PS/2 Port  
DVI-D Port  
DisplayPorts V1.2  
Audio Jacks

#### CPU/ CPU SPEED

#### MEMORY

#### EXPANSION SLOTS

#### STORAGE

#### OPERATING SYSTEM

#### POWER SUPPLY

#### TEMPERATURE

#### RELATIVE HUMIDITY

#### SHOCK RESISTANCE

#### VIBRATION

#### INCLUDED

#### COMPLIANCE

#### WARRANTY

	Mini-ITX Braswell	Mini-ITX Gemini Lake	Mini-ITX Q170	Mini-ITX Q370
	-	-	-	1x
	2x	2x	2x	1x
	1x	2x	1x	1x
	2x	2x	4x	4x
	-	2x	4x	4x
	-	2x	2x	2x
	1x	-	1x	1x
	1x	2x	2x	2x
	-	2x	2x	2x
	Braswell Quad Core Celeron® N3160, up to 2.24 GHz, 2MB Cache	Gemini Lake Quad Core Celeron® J4105, up to 2.5 GHz, 4MB Cache	6th Gen Quad Core™ i5-6500TE, up to 3.3 GHz, 6MB Cache 6th Gen Quad Core™ i7-6700TE, up to 3.4 GHz, 8MB Cache	8th Gen Hexa Core™ i5-8500T, up to 3.5 GHz, 9MB Cache 8th Gen Hexa Core™ i7-8700T, up to 4.0 GHz, 12MB Cache
	8 GB DDR3	16GB DDR4	32GB DDR4	32GB DDR4

**PIX0**- No PCI Slot Panel PC Module

**PIX1**- 1 PCI Slot Panel PC Module

**PIXE**- 1 PCIe Slot Panel PC Module (Q170/Q370 only)

**PIX2**- 2 PCI Slot Panel PC Module

**PIX1E**-1 PCI + PCIe Slot Panel PC Module (Q170/Q370 only)

240GB - 2TB SATA SSD / 1TB HDD

Windows® 7 Professional (64-bit)

Windows® 7 Embedded Standard (64-bit)

Windows® 10 Enterprise IoT LTSC 2019 (64-bit) (required for Gemini lake or Q370)

Windows® 10 Enterprise IoT LTSB 2016 (64-bit) (required for Gemini lake or Q370)

Windows® 10 Professional (64-bit) (required for Gemini lake or Q370)

Linux Ubuntu

100~240VAC/24VDC Power Entry

Operating: 0°-50°C | 32°-122°F

Non-Operating: -25°-60°C | -13°-140°F

Non-Condensing: 20% - 80%

Operating: 10G

Non-Operating: 15G

Operating: 1.0G from 57~2000Hz

Non-Operating: 2.5G from 57~2000Hz

Panel Mounting Brackets

USA: UL Listed, UL 61010-1+UL 61010-2-201, FCC 47CFR Part 15 Class A (pending for Q370, PIXE PIX1E)

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

24-Month limited warranty. Extended warranty available, contact DYNICS for more details.





## SW-PIX

### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	15.6"	18.5"	21.5"	24"
<b>HEIGHT (Bezel)</b>	12.2" (310.0mm)	13.3" (337.0mm)	15.0" (380.0mm)	15.5" (393.7mm)
<b>WIDTH (Bezel)</b>	16.3" (415.0mm)	19.0" (483.0mm)	22.0" (559.9mm)	24.6" (625.9mm)
<b>HEIGHT (Cutout)</b>	11.4" (289.9mm)	12.5" (318.0mm)	14.2" (361.0mm)	14.4" (364.5mm)
<b>WIDTH (Cutout)</b>	15.6" (394.9mm)	18.3" (464.0mm)	21.3" (542.0mm)	23.5" (596.6mm)
<b>Depth:</b>				
<b>PIX0</b>	3.9" (100.4mm)	3.9" (100.4mm)	3.9" (100.4mm)	4.0" (102.2mm)
<b>PIX1</b>	5.5" (120.4mm)	5.6" (140.4mm)	7.1" (180.5mm)	5.9" (149.8mm)
<b>PIX2</b>	6.7" (170.7mm)	7.0" (179.2mm)	6.0" (153.2mm)	6.1" (157.4mm)
<b>PIXE</b>	5.5" (140.4mm)	5.6" (142.9mm)	7.1" (180mm)	5.9" (149.4mm)
<b>PIX1E</b>	6.7" (170.7mm)	7.0" (179.2mm)	6.0" (153.2mm)	6.1" (157.4mm)
<b>Weight:</b>				
<b>PIX0</b>	23 lbs.*	23 lbs.*	29 lbs.*	32 lbs.*
<b>PIX1</b>	23 lbs.*	25 lbs.*	30 lbs.*	35 lbs.*
<b>PIX2</b>	38 lbs.*	36 lbs.*	39 lbs.*	45 lbs.*
<b>PIXE</b>	23 lbs.*	25 lbs.*	30 lbs.*	35 lbs.*
<b>PIX1E</b>	38 lbs.*	36 lbs.*	39 lbs.*	45 lbs.*

### POWER CONSUMPTION

	15.6"	18.5"	21.5"	24"
<b>Gemini Lake (J4105)</b>	50 Watts**	60 Watts**	65 Watts**	85 Watts**
<b>Braswell (N3160)</b>	65 Watts**	75 Watts**	80 Watts**	100 Watts**
<b>MINI-ITX Q170 (i7-6700TE)</b>	80 Watts**	90 Watts**	100 Watts**	115 Watts**
<b>MINI-ITX Q370 (i7-8700TE)</b>	110 Watts**	120 Watts**	130 Watts**	150 Watts**

\* Weights are approximate, contact DYNICS for details.

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

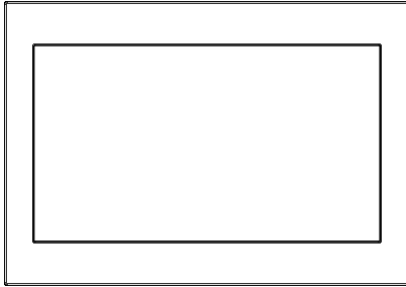


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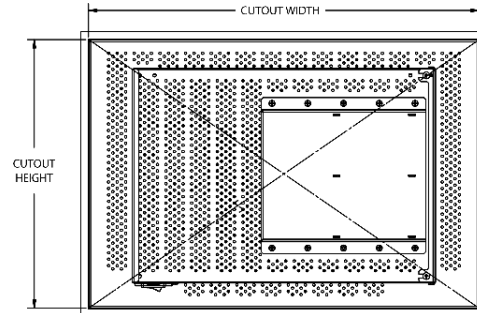


### MECHANICAL DRAWINGS

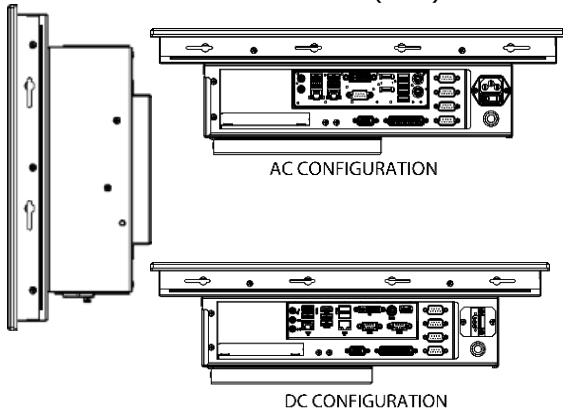
**FRONT VIEW**



**BACK VIEW**



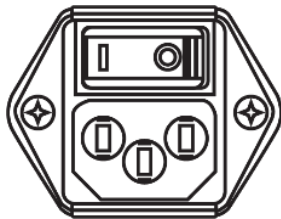
**SIDE AND IO VIEW (PIX0)**



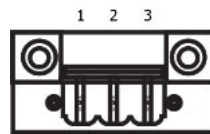
**SIDE AND IO VIEW (PIX1/PIXE)**  
Pending PICS

**SIDE AND IO VIEW (PIX2/PIX1E)**  
Pending PICS

**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.

