

## FX-PIX



### FX-PIX | INDUSTRIAL PANEL PC

DYNICS FX-PIX is an industrial panel PC with your choice of motherboard, processor, expansion slot (0, 1 or 2), RAM, storage, and operating system. These custom configurations make the FX-PIX a great drop-in replacement that is built for your industrial needs.

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

### DISPLAY SPECIFICATIONS

| SIZE                | 15"  | 17"                        | 19"                        |
|---------------------|--|----------------------------|----------------------------|
| <b>RESOLUTION</b>   | XGA 1024 x 768   | SXGA 1280 x 1024           | SXGA 1280 x 1024           |
| <b>VIEW ANGLE</b>   | H: -80°/+80°, V: -80°/+80°   | H: -85°/+85°, V: -80°/+80° | H: -85°/+85°, V: -80°/+80° |
| <b>CONTRAST</b>     | 600:1  | 1000:1                     | 1000:1                     |
| <b>BRIGHTNESS</b>   | 350 nits   | 350 nits                   | 350 nits                   |
| <b>ASPECT RATIO</b> | 4:3  | 5:4                        | 5:4                        |
| <b>LENS</b>         | 5-Wire Analog Resistive (Touch Screen) / Protective Polycarbonate Lens (Non-Touch) |                            |                            |
| <b>LCD LIFE</b>     | 50,000 Hour Backlight Half-Life  |                            |                            |
| <b>ENCLOSURE</b>    | NEMA 4 Powder Coat Finish (Black) / NEMA 4X Stainless Steel                        |                            |                            |





## FX-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<br>Braswell   | Mini-ITX<br>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<br>Celeron® N3160, up<br>to 2.24 GHz, 2MB<br>Cache  | Gemini Lake Quad<br>Core Celeron®<br>J4105, up to 2.5<br>GHz, 4MB Cache | 6th Gen Quad Core™ i5-6500TE,<br>up to 3.3 GHz, 6MB Cache<br>6th Gen Quad Core™ i7-6700TE,<br>up to 3.4 GHz, 8MB Cache | 8th Gen Hexa Core™ i5-8500T,<br>up to 3.5 GHz, 9MB Cache<br>8th Gen Hexa Core™ i7-8700T,<br>up to 4.0 GHz, 12MB Cache |
|  | Up to 8GB DDR3   | Up To 16GB DDR4   | Up to 32GB DDR4  | Up to 32GB DDR4   |
|  | <b>PIX0</b> - No PCI Slot Panel PC Module  |   |  |   |
|  | <b>PIX1</b> - 1 PCI Slot Panel PC Module   |   |  |   |
|  | <b>PIXE</b> - 1 PCIe Slot Panel PC Module (Q170/Q370 only)   |   |  |   |
|  | <b>PIX2</b> - 2 PCI Slot Panel PC Module   |   |  |   |
|  | <b>PIX1E</b> -1 PCI + PCIe Slot Panel PC Module (Q170/Q370 only)   |   |  |   |
|  | 240GB - 2TB SATA SSD / 1TB HDD   |   |  |   |
|  | Windows® 7 Professional (64-bit)   |   |  |   |
|  | Windows® Embedded Standard 7 (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   |   |  |   |
|  | 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 ( <b>PENDING ON Q370/PIXE/PIX1E</b> ) |   |  |   |
|  | 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.   |   |  |   |





## FX-PIX

### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

|                        |              | 15"               | 17"               | 19"               |
|------------------------|--------------|-------------------|-------------------|-------------------|
| <b>HEIGHT (Bezel)</b>  |              | 11.878" (301.7mm) | 14.020" (356.1mm) | 15.415" (391.5mm) |
| <b>WIDTH (Bezel)</b>   |              | 15.826" (402.0mm) | 17.800" (452.1mm) | 18.765" (476.7mm) |
| <b>HEIGHT (Cutout)</b> |              | 11.270" (286.3mm) | 13.000" (330.2mm) | 14.420" (366.3mm) |
| <b>WEIGHT (Cutout)</b> |              | 15.250" (387.4mm) | 16.720" (424.7mm) | 17.750" (450.9mm) |
| <b>Depth:</b>          | <b>PIX0</b>  | 3.475" (101mm)    | 3.975" (100.9mm)  | 3.975" (100.9mm)  |
|                        | <b>PIX1</b>  | 5.841" (148.3mm)  | 5.776" (146.7mm)  | 5.776" (146.7mm)  |
|                        | <b>PIX2</b>  | 6.711" (170.4mm)  | 6.851" (179mm)    | 6.711" (170.9mm)  |
|                        | <b>PIXE</b>  | 5.841" (140.4mm)  | 5.776" (146.7mm)  | 5.776" (196.7mm)  |
|                        | <b>PIX1E</b> | 6.841" (170.4mm)  | 6.851" (174mm)    | 6.711" (170.4mm)  |
| <b>Weight:</b>         | <b>PIX0</b>  | 21.5 lbs.*        | 25 lbs.*          | 25 lbs.*          |
|                        | <b>PIX1</b>  | 25.5 lbs.*        | 27.7 lbs.*        | 28 lbs.*          |
|                        | <b>PIX2</b>  | 33 lbs.*          | 32.8 lbs.*        | 37.6 lbs.*        |
|                        | <b>PIXE</b>  | 25.5 lbs.*        | 27.7 lbs.*        | 28 lbs.*          |
|                        | <b>PIX1E</b> | 33 lbs.*          | 32.8 lbs.*        | 37.6 lbs.*        |

### POWER CONSUMPTION

|                                  | 15"         | 17"         | 19"         |
|----------------------------------|-------------|-------------|-------------|
| <b>Gemini Lake (J4105)</b>       | 55 Watts**  | 95 Watts**  | 95 Watts**  |
| <b>Braswell (N3160)</b>          | 70 Watts**  | 80 Watts**  | 80 Watts**  |
| <b>MINI-ITX Q170 (i7-6700TE)</b> | 115 Watts** | 125 Watts** | 125 Watts** |
| <b>MINI-ITX Q370 (i7-8700TE)</b> | 145 Watts** | 155 Watts** | 155 Watts** |

\* Weights are approximate, contact DYNICS for details.

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

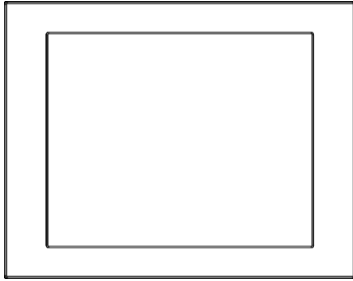




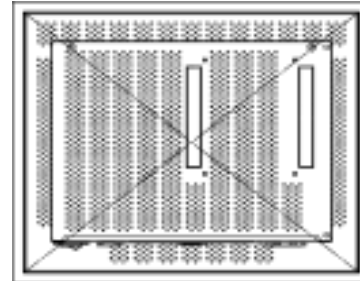
## FX-PIX

### MECHANICAL DRAWINGS

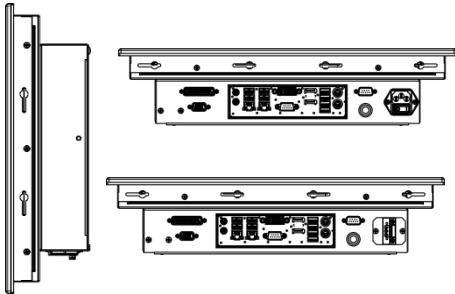
**FRONT VIEW**



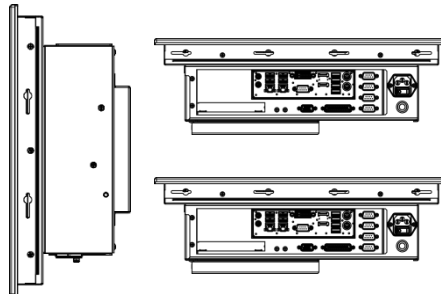
**BACK VIEW**



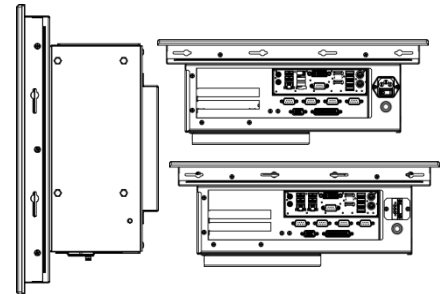
**SIDE AND IO VIEW (PIX0)**



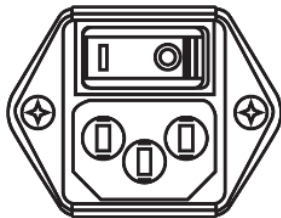
**SIDE AND IO VIEW (PIX1/PIXE)**



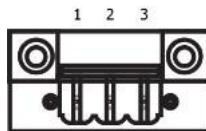
**SIDE AND IO VIEW (PIX2/PIX1E)**



**POWER ENTRY 100~240VAC**



**POWER ENTRY 24VDC**



PIN 1: V+  
 PIN 2:  $\perp$  (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.

