



FX-PIX

Datasheet

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.

Key Features

- UL Listed
- 100~240VAC / 24VDC

Display Specifications

Size:	Resolution:	View Angle:	Contrast:	Brightness:	Aspect Ratio:
15"	XGA 1024 x 768	H: -80°/+80°, V: -80°/+80°	600:1	400 nits	4:3
17"	SXGA 1280 x 1024	H: -85°/+85°, V: -80°/+80°	1000:1	350 nits	5:4
19"	SXGA 1280 x 1024	H: -85°/+85°, V: -80°/+80°	1000:1	350 nits	5:4
Lens	5-Wire Analog Resistive (Touch Screen) / Protective Polycarbonate Lens (Non-Touch)				
LCD Life	50,000 Hour Backlight Half-Life				
Bezel	NEMA 4 Powder Coat Finish – Suitable for mounting on a flat surface of an enclosure rated Type 3R, 3S, 4, 5, and /or (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.				

PC Specifications

Motherboard:	MINI-ITX QM77	MINI-ITX Q170	MINI-ITX Braswell
I/O	1x 1Gb Ethernet Port (Supporting Intel® AMT) 1x 1Gb Ethernet Port 2x RS232/422/485 Ports 2x USB 3.0 Ports 4x USB 2.0 Ports 1x PS/2 Port (Keyboard/Mouse) 1x DVI-I Port 1x HDMI Port 1x DisplayPort 3x Audio Jacks (Mic-In/Line-In/Line-Out)	1x 1Gb Ethernet Port (Supporting Intel® AMT) 1x 1Gb Ethernet Port 2x RS232 Ports 4x USB 3.0 Ports 4x USB 2.0 Ports 2x PS/2 Ports (Keyboard & Mouse) 1x DVI-D Port 2x DisplayPorts V1.2 2x Audio Jacks (Mic-In/Line-Out)	2x 1Gb Ethernet Ports 1x RS232/422/485 Port 2x USB 3.0 Ports 1x DVI-D Port 1x DisplayPort
CPU	3 rd Gen Intel® Core™ i5 3610ME / i7 3610QE	6 th Gen Intel® Core™ i5 6500TE / i7 6700TE	Braswell N3160
CPU Speed	i5 – 2.7GHz Base, 3.3GHz Turbo (2 Cores, 4 Threads) i7 – 2.3GHz Base, 3.3GHz Turbo (4 Cores, 8 Threads)	i5 – 2.3GHz Base, 3.3GHz Turbo (4 Cores, 4 Threads) i7 – 2.4GHz Base, 3.4GHz Turbo (4 Cores, 8 Threads)	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)
Expansion	0 Slots / 1 PCI Slot / 2 PCI Slots		
Memory	Up to 4GB DDR3	Up to 32GB DDR4	Up to 8GB DDR3
Power Supply	100~240VAC / 24VDC Power Entry		
Storage	240GB – 2TB SATA SSD and 1TB HDD		
Operating System	QM77 - Windows® Embedded Standard 2009 (32-bit 4GB RAM)	Q170 / Braswell - Windows® 7 (64-bit) - Windows® 7 Embedded Standard (64-bit) - Windows® 10 Enterprise IoT LTSB 2016 (64-bit)	
Temperature	Operating: 0° - 50°C (32° - 122°F) Non-Operating: -25° - 60°C (-13° - 140°F)		
Relative Humidity	Non-Condensing: 20% - 80%		
Shock	Operating: 10G Non-Operating: 15G		
Vibration	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz		
Compliance	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 1, Class A European Union CE: EN 60950-1, EN 61326-1, CISPR 11, Group 1, Class A European Union Directive 2011/65/EU (RoHS)		
Warranty	24-Month limited warranty. Extended warranty available, contact DYNICS for details.		





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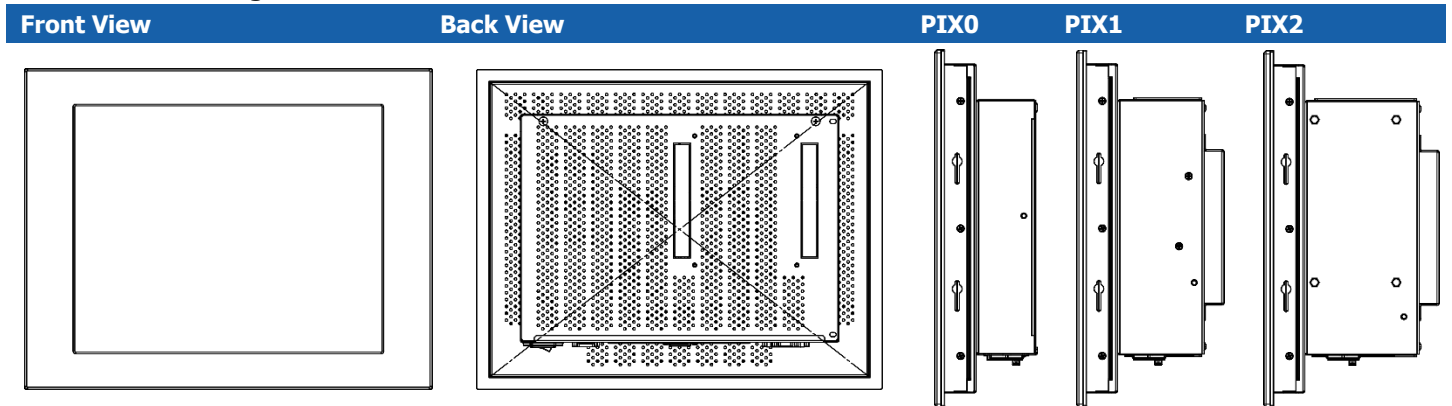
Dimensions, Weights and Power Consumptions

		15"	17"	19"
Height: (Bezel)		11.878" (301.7mm)	14.020" (356.1mm)	15.415" (391.5mm)
	Width: (Bezel)	15.826" (402.0mm)	17.800" (452.1mm)	18.765" (476.7mm)
Height: (Cutout)		11.270" (286.3mm)	13.000" (330.2mm)	14.20" (366.3mm)
	Width: (Cutout)	15.250" (387.4mm)	16.720" (424.7mm)	17.750" (450.9mm)
Depth:	PIX0	3.725" (94.6mm)	3.725" (94.6mm)	3.725" (94.6mm)
	PIX1	5.526" (140.4mm)	5.526" (140.4mm)	5.526" (140.4mm)
	PIX2	6.601" (167.6mm)	6.601" (167.6mm)	6.601" (167.6mm)
Weight:	PIX0	18 lbs.*	20 lbs.*	21 lbs.*
	PIX1	22 lbs.*	25 lbs.*	26 lbs.*
	PIX2	30 lbs.*	30 lbs.*	30 lbs.*
Power Consumption:		15"	17"	19"
AC	PIX0	95 Watts**	105 Watts**	105 Watts**
	PIX1	110 Watts**	120 Watts**	120 Watts**
	PIX2	130 Watts**	140 Watts*	140 Watts*
DC	PIX0	85 Watts**	95 Watts**	90 Watts**
	PIX1	100 Watts*	110 Watts*	110 Watts**
	PIX2	120 Watts**	130 Watts**	130 Watts**

*Weights are approximate, contact DYNICS for details.

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

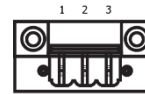
Mechanical Drawings



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.

