INDUSTRIAL INTEGRATED WORKSTATION

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, see details below
- 2.5" SATA SSD and HDD Options
- Half-Size PCI Cards
- Panel Mount Optional: - Dual Drives/CD-DVD

DISPLAY SPECIFICATIONS

SIZE	15"	17"	19"
RESOLUTION	XGA 1024 x 768	SXGA 1280 x 1024	SXGA 1280 x 1024
VIEW ANGLE	H: -80°/+80°, V: -80°/+80°	H: -85°/+85°, V: -80°/+80°	H: -85°/+85°, V: -80°/+80°
CONTRAST	600:1	1000:1	1000:1
BRIGHTNESS	350 nits	350 nits	350 nits
ASPECT RATIO	4:3	5:4	5:4
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		



Made in the USA · RoHS Compliant · DYNICS 30 Years · ubuntu · Windows 10 · Windows 11

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

Revision Date: 11/17/2025

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PC SPECIFICATIONS

	Mini-ITX W680
COMPUTER I/O	
1Gb Ethernet Port (Supporting Intel® AMT)	1x
1Gb Ethernet Port	-
2.5Gb Ethernet Port	1x
RS232/422/485 Ports	2x
USB 3.2 Gen 2 Ports	4x
USB 3.0 Ports	-
USB 2.0 Ports	-
PS/2 Port	-
DVI-D Port	-
DisplayPorts	1x (v1.4a)
HDMI	1x
Audio Jacks	
CPU/ CPU SPEED	**12th Gen Intel® Core™ i5-12500TE,** Up to 4.3GHz, 18MB Cache (6 Cores, 12 Threads) **12th Gen Intel® Core™ i7-12700TE,** Up to 4.6GHZ P Cores, 25MB Cache (8 P Cores, 4 E Cores, 20 Threads)
MEMORY	Up to 96GB DDR5
EXPANSION SLOTS	**PIX0**- No PCI Slot Panel PC Module **PIX1**- 1 PCI Slot Panel PC Module **PIXE**- 1 PCIe Slot Panel PC Module **PIX2**- 2 PCI Slot Panel PC Module **PIX1E**-1 PCI + PCIe Slot Panel PC Module **PIX2E**- 2 PCIe Slot Panel PC Module
STORAGE	256GB – 2TB SATA SSD / 1TB HDD
OPERATING SYSTEM	- Windows® 10 Enterprise IoT LTSC 2019 (64-bit) (Q370 Only) - Windows® 10 Enterprise IoT LTSC 2021 (64-bit) - Windows® 10 Professional (64-bit) - Windows® 11 Professional (64-bit) - Windows® 11 Enterprise IoT LTSC 2024 (64-bit) - Linux® Ubuntu® (Contact DYNICS for more details)
POWER SUPPLY	100~240VAC / 24VDC Power Entry
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
ALTITUDE	Maximum altitude of 2,000 meters
INCLUDED	Panel Mounting Brackets
COMPLIANCE	USA: UL 61010-1, 61010-2-201 (UL Listed) Canada: CSA C22.2 No. 61010-1 (2012-05) and 61010-2-201, IEC 61010- 1:2010/AMD1:2016/COR1:2019 European Union: EN 61010-1:2010 / A1:2019, EN IEC 61010-2-201:2018 UL50E: Suitable for mounting on a flat surface of an enclosure rated Type 3R, 3S, 4, 4X, 5 and/or 12 European Union Directive 2011/65/EU (RoHS)
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.

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DIMENSIONS, WEIGHT AND POWER CONSUMPTION

		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)	14.420" (366.3mm)
WIDTH (Cutout)		15.250" (387.4mm)	16.720" (424.7mm)	17.750" (450.9mm)
Depth:	**PIX0**	3.976" (101mm)	3.975" (100.9mm)	3.975" (100.9mm)
	PIX1	5.841" (148.3mm)	5.776" (146.7mm)	5.776" (146.7mm)
	PIX2	6.711" (170.4mm)	6.851" (174.0mm)	6.711" (170.9mm)
	PIXE	5.841" (140.4mm)	5.776" (146.7mm)	5.776" (196.7mm)
	PIX1E	6.841" (170.4mm)	6.851" (174.0mm)	6.711" (170.4mm)
	PIX2E	6.851" (174.0mm)	6.851" (174.0mm)	6.851" (174.0mm)
Weight:	**PIX0**	21.5 lbs.*	25 lbs.*	25 lbs.*
	PIX1	25.5 lbs.*	27.7 lbs.*	28 lbs.*
	PIX2	33 lbs.*	32.8 lbs.*	37.6 lbs.*
	PIXE	25.5 lbs.*	27.7 lbs.*	28 lbs.*
	PIX1E	33 lbs.*	32.8 lbs.*	37.6 lbs.*
	PIX2E	23.3 lbs.*	35.4 lbs*	25.5 lbs.*

POWER CONSUMPTION

	15"	17"	19"
MINI-ITX W680	260 Watts**	264 Watts**	270 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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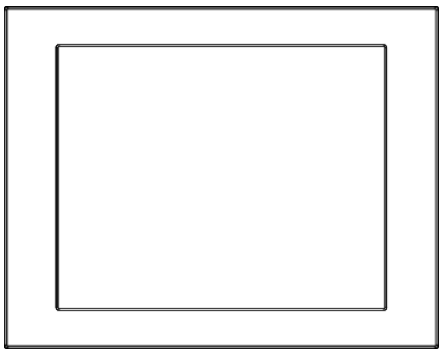
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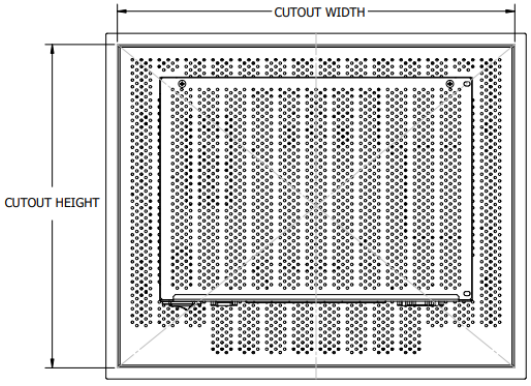


MECHANICAL DRAWINGS *(Represents W680 Model)*

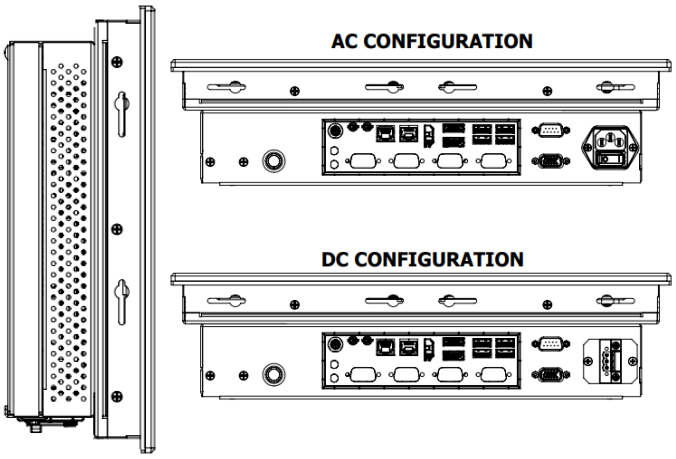
FRONT VIEW



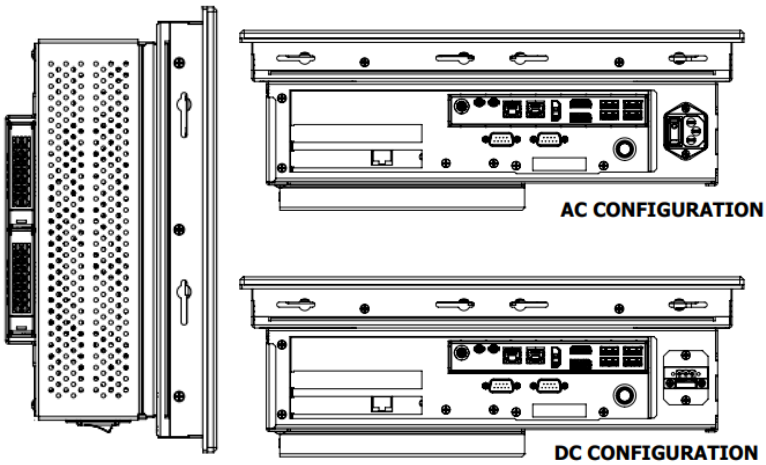
BACK VIEW



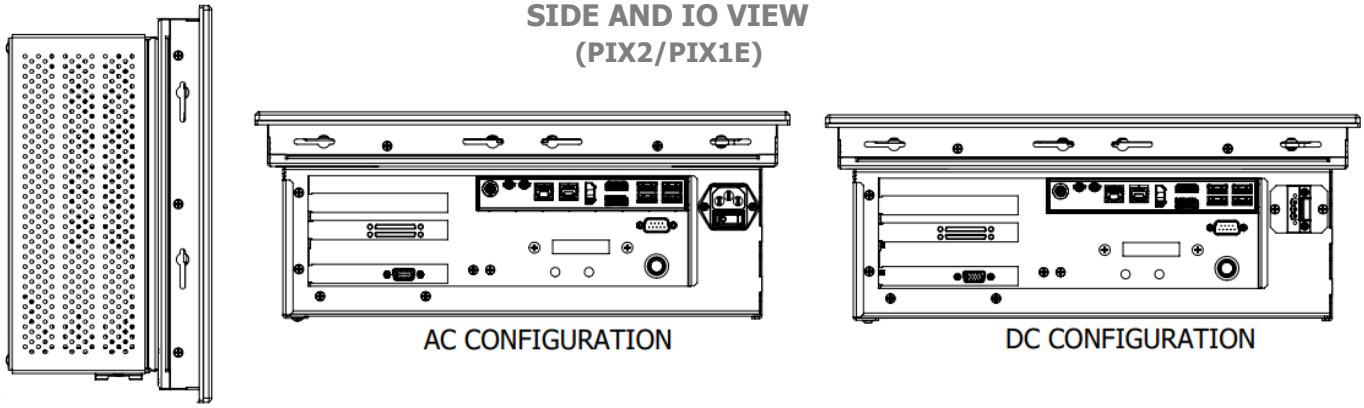
SIDE AND IO VIEW (PIX0)



SIDE AND IO VIEW (PIX1/PIXE)



SIDE AND IO VIEW (PIX2/PIX1E)



I/O varies between models. Contact DYNICS for more details on specific model.
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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