

FX-BIX



FX-BIX | Integrated Workstation

DYNICS FX-BIX is a bracket-mounted, integrated industrial workstation with multiple options. Features such as the motherboard, RAM, operating system, and storage for this panel PC are all customizable, allowing this unit to meet many production requirements.

- Small Form Factor Workstation
- Graphite Gray Power Coat Finished Chassis
- 100~240VAC / 24VDC

DISPLAY SPECIFICATIONS

SIZE	10"	12"
RESOLUTION	SVGA 800 X 600	SVGA 800 X 600
VIEW ANGLE	H: -80°/+80°, V: -80°/+80°	H: -80°/+80°, V: -75°/+65°
CONTRAST	900:1	700:1
BRIGHTNESS	400 NITS	450 NITS
ASPECT RATIO	4:3	4:3
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) FOR BEZEL / NEMA 4X STAINLESS STEEL FOR BEZEL	

PC SPECIFICATIONS

COMPUTER I/O	Mini-ITX Q170	Mini-ITX Q370
1Gb Ethernet Port	1x	1x
(Supporting Intel® AMT)		
1Gb Ethernet Port	1x	1x
RS232/422/485 Ports	-	2x
RS232 Ports	2x	2x
USB 3.0 Ports	4x	2x
USB 2.0 Ports	4x	4x
PS/2 Port	2x	1x
DVI-D Port	1x	1x
HDMI Port	-	1x
DisplayPorts V1.2	2x	1x
Audio Jacks	2x	3x
CPU/ CPU SPEED	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
MEMORY	Up to 32 GB DDR4	Up to 32 GB DDR4
EXPANSION SLOTS	BIXE - 1x PCIe x16 with Q170/Q370 - Mini-PCIe x1 with Q370	
STORAGE	256GB - 2TB SATA SSD / 1TB HDD (RAID Option Available)	
OPERATING SYSTEM	-Windows® 7 Professional (64-bit) -Windows® Embedded Standard 7 (64-bit) – Q170 Only -Windows® 10 Enterprise IoT LTSC 2019 (64-bit) -Windows® 10 Enterprise IoT LTSC 2021 (64-bit) -Windows® 10 Professional (64-bit) -Windows® 11 Professional (64-bit) -Linux Ubuntu (Contact DYNICS for more details)	
POWER SUPPLY	100~240VAC / 24VDC Power Entry	
INCLUDED	1x 6ft. Power Cable (AC Only) 1x 3-Pin Quick Disconnect (DC Only)	
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	European Union Directive 2011/65/EU (RoHS)	
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.	

FX-BIX



DIMENSIONS, WEIGHT AND POWER CONSUMPTION

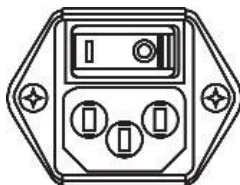
	10" BIX0	10" BIXE	12" BIX0	12" BIXE
HEIGHT (Bezel)	9.800" (248.9mm)	9.800" (248.9mm)	10.990" (279.1mm)	10.990" (279.1mm)
WIDTH (Bezel)	13.240" (336.3mm)	13.240" (336.3mm)	3.750" (349.3mm)	3.750" (349.3mm)
HEIGHT (Cutout)	8.820" (224.0mm)	8.820" (224.0mm)	9.900" (251.5mm)	9.900" (251.5mm)
WIDTH (Cutout)	12.020" (305.3mm)	12.020" (305.3mm)	12.660" (321.6mm)	12.660" (321.6mm)
DEPTH	4.889" (124.2mm)	7.137" (181.3mm)	5.093" (129.4mm)	7.341" (186.5mm)
WEIGHT	15 lbs.*	18 lbs.*	17 lbs.*	19 lbs.*
INPUT POWER: 100~240VAC	100 Watts**	120 Watts**	100 Watts**	120 Watts**
INPUT POWER: 24VDC	90 Watts**	110 Watts**	95 Watts**	115 Watts**

* Weights are approximate, contact DYNICS for details.

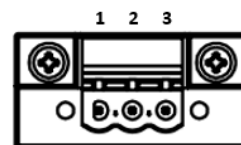
** Power consumption is based on maximum ratings, actual ratings vary significantly based on components used.

POWER ENTRY

Power Entry 100~240VAC



Power Entry 24VDC



PIN 1: V+

PIN 2:  (Chassis Ground)

PIN 3: V-

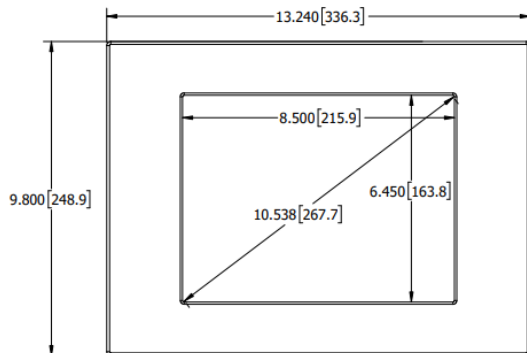
All measurements are in inches and pounds, unless noted. Pictures and drawings are not to scale. Estimated weight may change depending on options. DYNICS Reserves the right to change, modify, upgrade, or discontinue any part of this datasheet without any prior notice.

FX-BIX

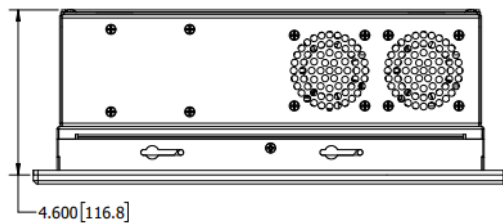


MECHANICAL DRAWINGS

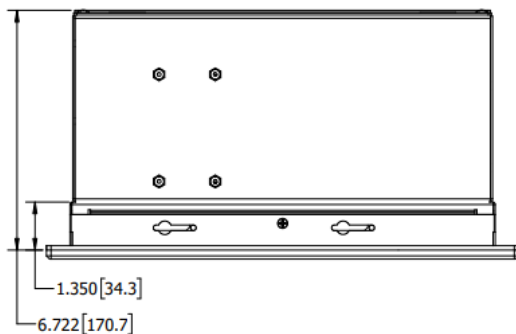
10"



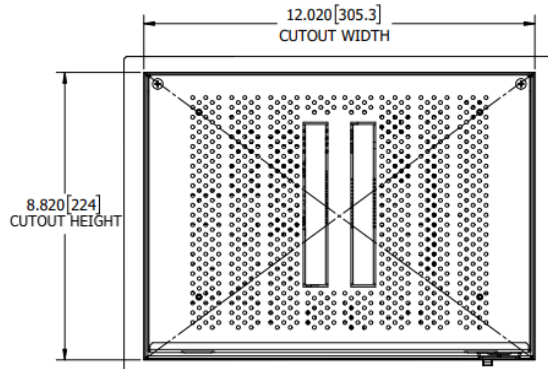
10" BIX0



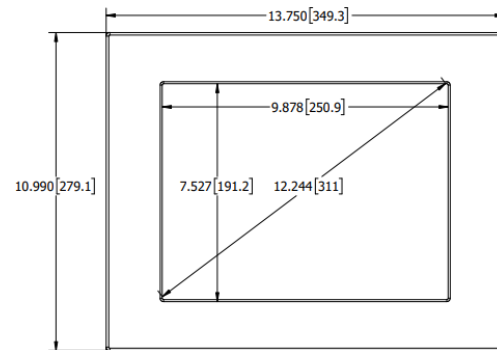
10" BIXE



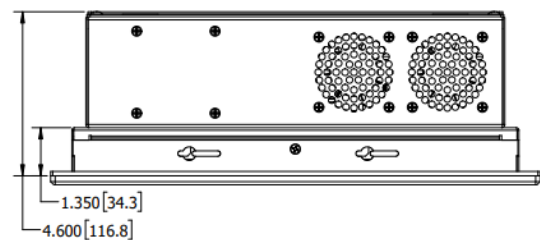
10" Cutout



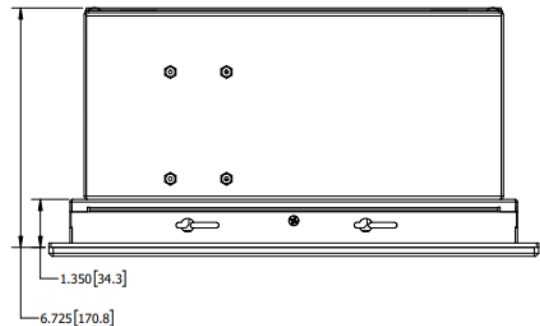
12"



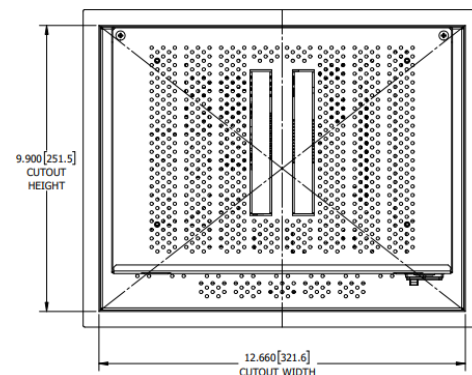
12" BIX0



12" BIXE



12" Cutout

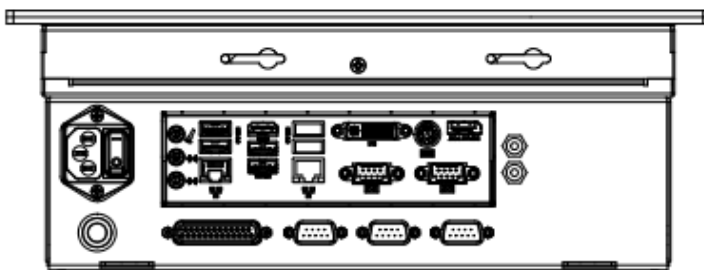


FX-BIX

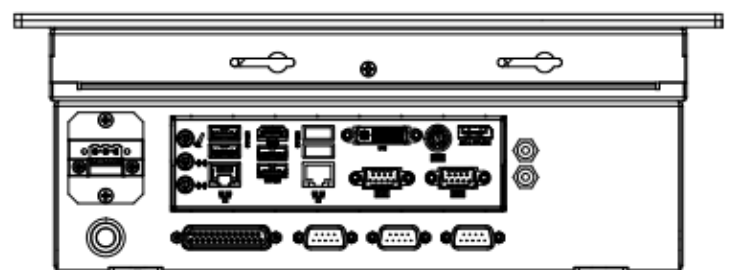


MECHANICAL DRAWINGS (Continued)

10" & 12" BIXO

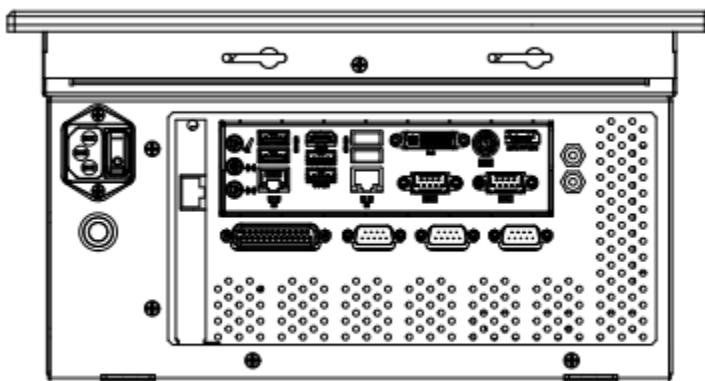


AC CONFIGURATION

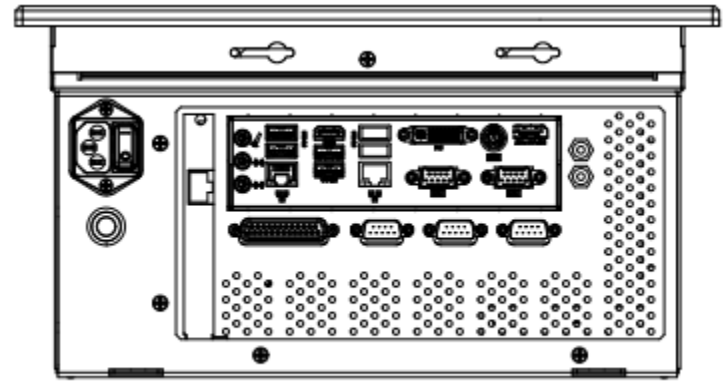


DC CONFIGURATION

10" & 12" BIXE



AC CONFIGURATION



DC CONFIGURATION

