

BIX



BIX | INDUSTRIAL COMPUTER

DYNICS BIX industrial computer is a rugged, compact, modular steel construction built to order. Comes with your choice of a Braswell, Gemini Lake or 6th/8th Gen Intel® Core™ i5 / i7 processor. Available with your choice of 0 or 1 PCI express slot, processor and custom configurations.

- Rugged Metal Enclosure
- 100~240VAC / 24VDC
- Panel Mount

COMPUTER I/O	Mini-ITX Braswell	Mini-ITX Gemini Lake	Mini-ITX Q170	Mini-ITX Q370
1Gb Ethernet Port (Supporting Intel® AMT)	-	-	-	1x
1Gb Ethernet Port	2x	2x	2x	1x
RS232/422/485 Ports	1x	2x	1x	1x
USB 3.0 Ports	2x	2x	4x	4x
USB 2.0 Ports	-	2x	4x	4x
PS/2 Port	-	2x	2x	2x
DVI-D Port	1x	-	1x	1x
HDMI Port	-	-	-	-
DisplayPorts V1.2	1x	2x	2x	2x
Audio Jacks	-	2x	2x	2x
CPU/ CPU SPEED	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
MEMORY	8GB DDR3	16GB DDR4	32GB DDR4	32GB DDR4
EXPANSION SLOTS	BIXE - 1x PCIe x16 with Q170/Q370 – 1x PCIe with Braswell			
STORAGE	240GB - 2TB SATA SSD			
OPERATING SYSTEM	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 Professional (64-bit) (required for Gemini lake or Q370) Linux Ubuntu			
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			
INCLUDED COMPLIANCE WARRANTY	Panel Mounting Bracket EU: RoHS Directive 2011/65/EU, EN 50581 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.			



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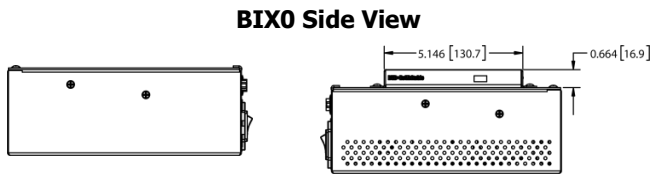
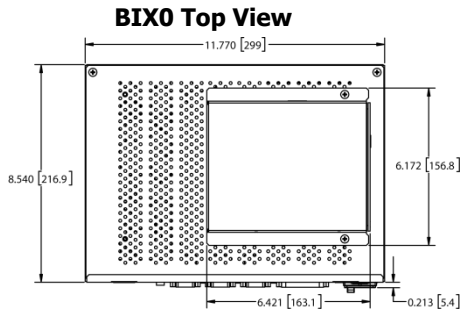
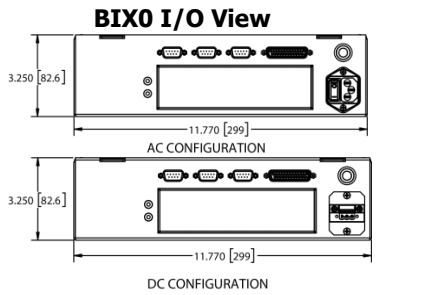
DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	HEIGHT	WIDTH	DEPTH	WEIGHT	POWER CONSUMPTION
BIXO	3.250" (82.6mm)	11.770" (298.9mm)	8.540" (216.9mm)	6 lbs.* (2.7gs).*	Input Current: 115 Watts**
BIXE	5.375" (136.5mm)	11.770" (298.9mm)	8.540" (216.9mm)	8 lbs.* (3.6 Kgs).*	

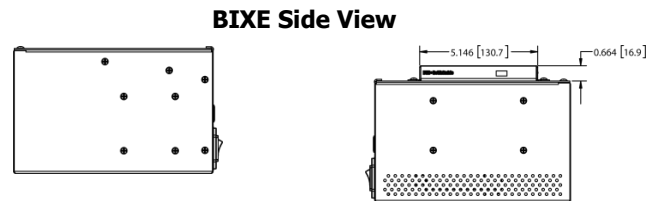
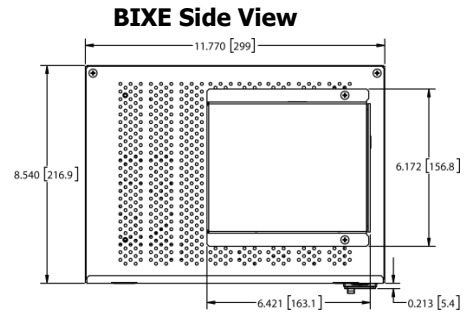
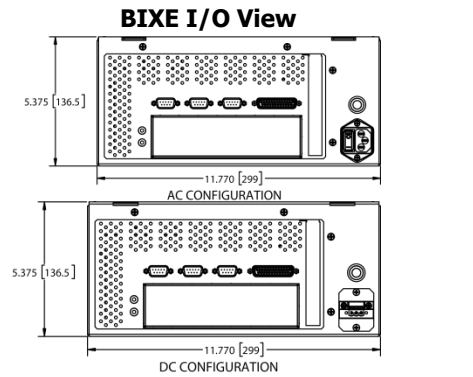
* Weights are approximate, contact DYNICS for details.

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

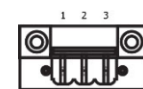
MECHANICAL DRAWINGS



Power Entry 100~240VAC



Power Entry 24VDC



PIN 1: V+
PIN 2: $\frac{1}{2}$ (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.

