

BTX



BTX | INDUSTRIAL COMPUTER

DYNICS BTX is a microcomputer equipped with dual drive trays and your choice of a Braswell, Gemini Lake or 6th/8th Gen Intel® Core™ i5 / i7 processor. The various expansion options, video outputs and upgrades available for the BTX make the different configurations suitable for a multitude of industrial applications.

- Small Form Factor
- 24VDC Power Entry
- UL Listed
- 2x 2.5" Removable Drive Tray

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	2x	1x	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
HDMI Port	-	-	-	-
DisplayPorts V1.2	2x	1x	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	BTXE - 1x PCIe x16 Slot (Q170/Q370 only) BTX1 - 1x PCI Half Length			
STORAGE	240GB - 2TB SATA SSD / 1TB HDD (RAID Option Available)			
OPERATING SYSTEM	Windows® 7 Professional (64-bit)/ Windows® 7 Embedded Standard (64-bit) Windows® 10 Enterprise IoT LTSC 2016 (64-bit) (required for Gemini lake or G370) Windows® 10 Enterprise IoT LTSC 2019 (64-bit) (required for Gemini lake or G370) Windows® 10 Professional (64-bit) (required for Gemini lake or G370) Linux Ubuntu			
POWER SUPPLY	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	Panel Mounting Bracket 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(Pending on 370)			
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.			



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DIMENSIONS, WEIGHT AND POWER CONSUMPTION

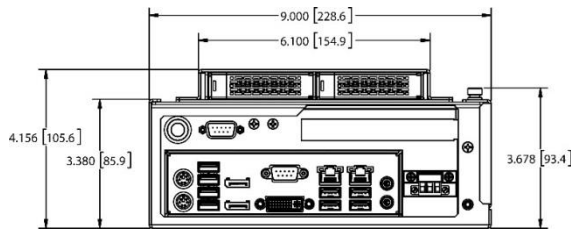
	HEIGHT	WIDTH	DEPTH	WEIGHT	POWER CONSUMPTION
BTX	4.2" (105.6mm)	9.0" (228.6mm)	8.2" (207.0mm)	8 lbs.* (3.62874 Kgs).*	Input Current: 24VDC (109 Watts)

* Weights are approximate, contact DYNICS for details.

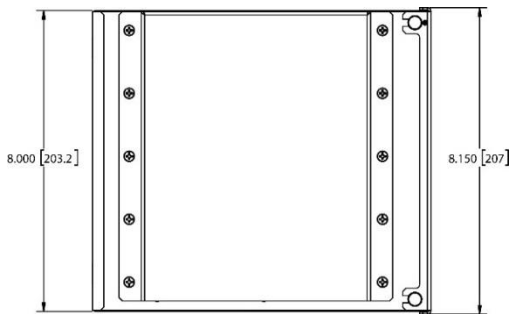
** Power consumption is based on maximum ratings, actual ratings vary significantly based on components used.

MECHANICAL DRAWINGS

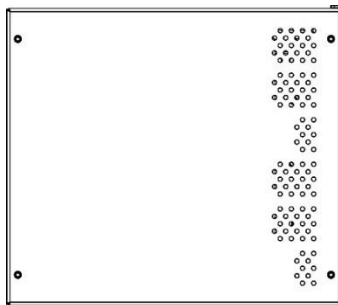
FRONT VIEW



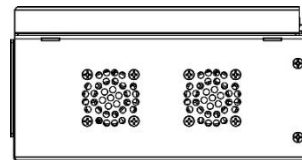
TOP VIEW



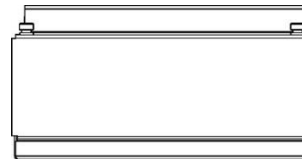
BOTTOM VIEW



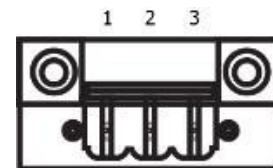
LEFT SIDE VIEW



RIGHT SIDE VIEW



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.

