



BTX

Datasheet

BTX | Industrial Computer

DYNICS BTX is a microcomputer equipped with dual drive trays and your choice of a 3rd/6th 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.

Key Features

- 24VDC
- 2x 2.5" Removable Drive Trays
- UL Listed
- Small Form Factor



PC Specifications

Motherboard:	MINI-ITX QM77	MINI-ITX Q170
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)
CPU	3 rd Gen Intel® Core™ i5 3610ME / i7 3610QE	6 th Gen Intel® Core™ i5 6500TE / i7 6700TE
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)
Expansion Slots	BTXE 1x PCIe x16 Slot BTX1 1x PCI Half Length BTX2 2x PCI Half Length (UL Pending)	
Memory	Up to 16GB DDR3 (32-bit OS Limits Memory to 4GB)	Up to 32GB DDR4
Power Supply	24VDC Power Entry	
Storage	240GB – 2TB SATA SSD / 1TB HDD (RAID Option Available)	
Operating System	QM77 - Windows® Embedded Standard 2009 (32-bit) Q170 - Windows® 7 Professional (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	
Included	Panel Mounting Bracket	
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, Weight and Power Consumption

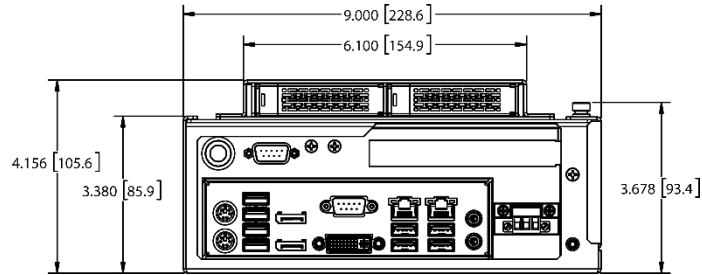
	Height:	Width:	Depth:	Weight:	Power Consumption:
BTX	4.156" (105.6mm)	9.000" (228.6mm)	8.150" (207.0mm)	8 lbs.*	115 Watts**

*Weights are approximate, contact DYNICS for details.

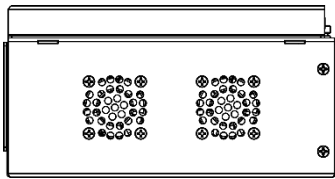
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

Mechanical Drawings

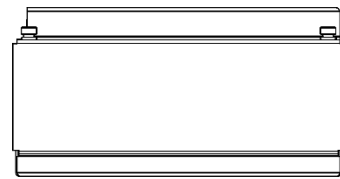
Front View



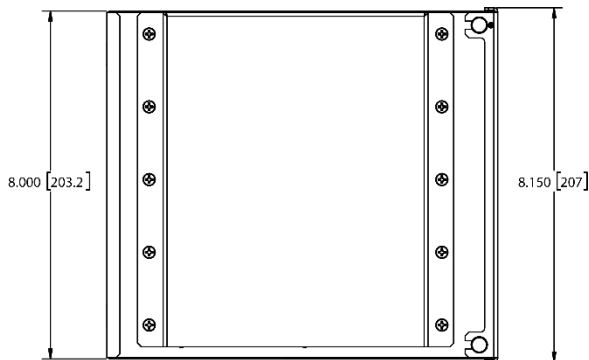
Left Side View



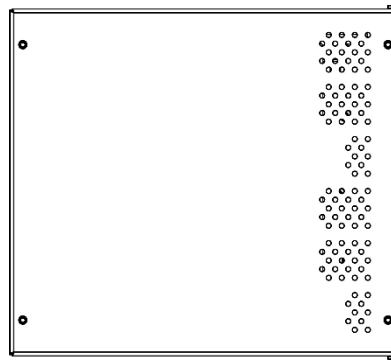
Right Side View



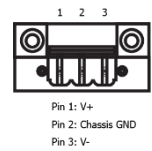
Top View



Bottom View



Power Entry 24VDC



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.

