



PIX

Datasheet

PIX | Industrial Computer

DYNICS PIX is an industrial computer with three solutions, a PIX0 (0 PCI Slots), PIX1 (1 PCI Slot) and a PIX2 (2 PCI Slots). All of which are highly configurable with your choice of motherboard, memory, power, storage, and more. With so many different variants, the PIX makes a great industrial solution, that is built to your industrial needs.

Key Features

- 100~240VAC / 24VDC
- Optional:
 - Dual Drives / CD-DVD
- 0 / 1 / 2 PCI Slots
- 2.5" SATA SSD and HDD Options
- UL Listed (QM77 / Q170)
- Half-Size PCI Cards

PC Specifications

Motherboard:	MINI-ITX QM77 (UL Listed)	MINI-ITX Q170 (UL Listed)	MINI-ITX Braswell
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)	2x 1Gb Ethernet Ports 1x RS232/422/485 Port 4x USB 3.0 Ports 2x DisplayPorts 1x DVI-D Port 2x USB 2.0 Ports 2x Audio Jacks (Mic-In/Line-Out)
CPU	3rd Gen Intel® Core™ i5 3610ME / i7 3610QE	6th Gen Intel® Core™ i5 6500TE / i7 6700TE	Braswell N3160
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)	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)
Expansion Slots	0 Slots / 1 PCI Slot / 2 PCI Slots		
Memory	Up to 16GB DDR3 (32-bit OS Limits Memory to 4GB)	Up to 32GB DDR4	Up to 8GB DDR3
Power Supply	100~240VAC / 24VDC Power Entry		
Storage	2.5" SATA SSD (240GB / 480GB / 960GB / 2TB) / HDD (1TB)		
Operating System	QM77	- Windows® Embedded Standard 2009 (32-bit) - 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	1x 6 ft. Power Cable (AC Power Supply Only)		
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, Weights and Power Consumptions

	Height:	Width:	Depth:	Weight:
PIX0	2.375" (60.3mm)	13.960" (354.6mm)	10.000" (254.0mm)	7 lbs.*
PIX1	3.400" (86.4mm)	14.180" (360.2mm)	10.000" (254.0mm)	16 lbs.*
PIX2	5.251" (133.3mm)	14.180" (360.2mm)	10.000" (254.0mm)	24 lbs.*
Power Consumption:	PIX0	PIX1	PIX2	
MINI-ITX QM77	95 Watts**	115 Watts**	130 Watts**	
MINI-ITX Q170	95 Watts**	115 Watts**	130 Watts**	
Braswell	25 Watts**	45 Watts**	65 Watts**	

*Weights are approximate, contact DYNICS for details.

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

Mechanical Drawings

Side View	Front View	Isometric View
PIX0	PIX0	PIX0
PIX1	PIX1	PIX1
PIX2	PIX2	PIX2

Power Entry 100~240VAC	Power Entry 24VDC
	1 2 3 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.

