



BMX-P521-Q170

Mini ITX Barebone System with Intel® Q170 Chipset

- > 2 x 260-pin DDR4 2133MHz SO-DIMM socket, supports up to 32GB
- > 1 x 3.5" HDD (Thickness 24.5mm) or 1 x 2.5" HDD (by bracket) Internal Drive Bay (optional)
- > 1 x 3.5" HDD (Thickness 20.0mm) Internal Drive Bay
- > 1 x 5.25" External Drive Bay
- > 1 x VGA, 1 x DP, 1 x HDMI
- > 1 x PCI-e x 16
- > 1 x Full Size Mini-PCI-e with mSATA Support (SATA III), 1 x Half Size Mini PCI-e
- > 4 x USB 3.0, 6 x USB 2.0, 2 x USB 2.0 By low profile bracket(Optional)
- > 5 x RS232, 1 x RS232/422/485

+ Spec

System	
Processor	Intel® LGA1151 Socket Supports 6th Generation Core™ Refresh i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 65W)
System Chipset	Intel® Q170 Express Chipset
System Memory	2 x 260-pin DDR4 2133MHz SO-DIMM Supports up to 32GB
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
Board	EMX-Q170P-A1R
Expansion	
Expansion	1 x Low profile expansion slot
Storage	
Storage	1 x 2.5" or 1 x 3.5" (up to 24.5mm) Drive Bay 1 x 3.5" (up to 20.0mm) Drive Bay 1 x 5.25" External Drive Bay
I/O	
USB	6 x USB 2.0 4 x USB 3.0
COM Port	5 x RS232, 1 x RS232/422/485
Other	1 x SMA connector (optional)
MIO	1 x PS/2 Keyboard or Mouse
Display	
Chipset	Intel® 6th Generation CPU integrated
Resolution	VGA: 2560 x 1600 @ 60 Hz HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600 @ 60 Hz DP: 4096 x 2304 @ 60Hz
Multiple Display Interface	Triple Display VGA/HDMI/DP
Audio	
Chipset	Realtek ALC892 HD Audio Decoding Controller with 6W Amplifier
Audio Interface	Front: Mic-In, Line-In, Line-Out Rear: Mic-In, Line-Out
Ethernet	
Chipset	1 x Intel® I219LM PCI-e Gigabit Ethernet PHY 1 x Intel® I211AT PCI-e Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Operating Temp	(w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)
Storage Temp	-20°C ~ 70°C (-4°F ~ 158°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Construction	Metal
Storage Humidity	10 ~ 95% @ 40°C Non-condensing
Dimensions(W x L x D)	265 x 100 x 310 mm
Power Requirement	
Power Connector	AC Jack (IEC 320 C14)
Power Requirement	100 ~ 240 Vac
Adapter	Standard TFX 300W Power Supply

+ Ordering

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