



BMX-P520-H81

Mini ITX Barebone System with Intel® H81 Chipset



- > Mini ITX Chassis
- > Compliant with Avalue Mini ITX Board SEMX-H81
- > Two 240-pin DIMM Sockets support up to 16GB Dual Channel, DDR3 1333/1600 MHz
- > 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 DVI-D, 1 x HDMI
- > 1 x Realtek RTL8111E PCIe Gigabit Ethernet
- > 1 x Realtek ALC892 Supports 7.1-CH HD Audio
- > 1 x PCIe x 16, 1 x Mini PCIe
- > 2 x USB 3.0, 6 x USB 2.0
- > 1 x RS-232
- > 1 x Standard TFX 300W Power supply

+ Spec

System	
Processor	Intel® 4th Generation Core™ Refresh i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 84W)
System Chipset	Intel® H81 Express Chipset
System Memory	2 x 240-pin DDR3 1333/1600MHz DIMM up to 16 GB
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
Board	SEMX-H81
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 2 x USB 3.0
COM Port	1 x RS-232
Other	1 x SMA connector (optional) 1 x S/PDIF-out Header
MIO	1 x PS/2 Keyboard/Mouse
Display	
Chipset	Intel® 4th Generation CPU integrated
Resolution	VGA:1920 x 1200 @ 60Hz HDMI:4096 x 2160 @ 24Hz DVI-D:1920 x 1200 @ 60Hz
Multiple Display Interface	Dual Display VGA, HDMI, DVI-D
Audio	
Chipset	Realtek ALC892 supports 7.1-CH
Audio Interface	Mic-In, Line-In, Line-Out, Rear R/L & S/PDIF-out
Ethernet	
Chipset	1 x Realtek 8111E
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	1 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 ~ 75°C (-4°F ~ 167°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
Power Mode	ATX
Adapter	Standard TFX 300W Power Supply

+ Ordering

BMX-P520-H81-A1R
Mini ITX Barebone System with Intel® H81 Chipset