



## BMX-T521-BSW

Fanless Intel® Celeron® Processor N3160 Mini ITX Box PC



- > 1 x VGA, 1 x HDMI
- > 2 x Intel® I211AT Gigabit Ethernet
- > 2 x 204-pin DDR3L 1600 MHz SO-DIMM Socket, Supports up to 8GB Max (Default: 1 x 2GB DDR3L Memory)
- > 1 x Mic-In, 1 x Line-Out
- > 4 x USB 2.0, 4 x USB 3.0
- > 5 x RS-232, 1 x RS232/422/485
- > 2 x 2.5" Drive bay, 1 x SD Card Slot
- > 1 x SIM Card Slot
- > 1 x Full Size Mini PC-Ie Supports mSATA Only (Switch by Jumper)
- > 1 x Full Size Mini PC-Ie Supports WiFi & 3G/4G Module
- > DC in +12V (Lockable DC Jack)

### + Spec

System	
<b>Processor</b>	Intel® Celeron® Processor N3160 (2M Cache, up to 2.08 GHz)
<b>System Memory</b>	2 x 204-pin DDR3L 1600 MHz SO-DIMM up to 8 GB (Default: 1 x 2GB DDR3L)
<b>Watchdog Timer</b>	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring System Temperature and Voltage with Auto Throttling Control
<b>Board</b>	EMX-BSWP
Expansion	
<b>Expansion</b>	1 x Full Size Mini PC-Ie support mSATA Only 1 x Full Size Mini PC-Ie support WiFi & 3G/4G module
Storage	
<b>Storage</b>	1 x SD card slot support SD/ SDHC Card 2 x 2.5" Drive Bay
I/O	
<b>USB</b>	4 x USB 3.0, 4 x USB 2.0
<b>SATA</b>	2 x SATA III 2 x SATA Power
<b>COM Port</b>	5 x RS232 (pin9 with power) 1 x RS232/422/485
<b>Other</b>	2 x SMA Connector (Optional)
<b>SIM</b>	1 x SIM Card Slot
Display	
<b>Chipset</b>	Intel® Atom™/ Celeron® SoC integrated Graphics
<b>Resolution</b>	VGA: 2560 x 1600 @ 60 Hz HDMI: 3840 x 2160 @ 30Hz VGA + HDMI
Audio	
<b>Chipset</b>	Realtek ALC662 supports 2-CH
<b>Audio Interface</b>	Mic-In and Line-Out
Ethernet	
<b>Chipset</b>	2 x Intel I211AT
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	2 x RJ45
Mechanical & Environmental	
<b>Operating Temp</b>	(w/SSD, mSATA), ambient w/ air flow 0°C ~ 50°C (32°F ~ 122°F) (w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Construction</b>	Aluminum + Metal
<b>Dimension (L x W x H)</b>	180 x 182 x 76 mm
<b>Storage Humidity</b>	10 ~ 95% @ 40°C Non-condensing
Power Requirement	
<b>Power Connector</b>	DC Jack (lockable)
<b>Power Requirement</b>	+12V
<b>Power Mode</b>	ATX
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A)

### + Ordering

BMX-T521-BSW-A1R  
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