



## ECS-BSW

### Fanless Intel® Celeron® Processor N3160 Tiny Box PC

- > 4 x USB 3.0, 2 x USB 2.0, 5 x RS232
- > 2 x RealTek RTL8119 Gigabit Ethernet
- > 1 x 204-pin DDR3L 1600MHz SODIMM Socket Supports Up to 8GB (Default: 4GB)
- > 1 x HDMI, 1 x VGA
- > 1 x 2.5" Drive bay
- > 1 x Power on/off switch with Power LED button
- > 1 x SMA connector (optional)
- > 60W Adapter (DC in 12V@5A)

#### + Spec

System	
<b>Processor</b>	Intel® Celeron® Processor N3160 (2M Cache, up to 2.24 GHz)
<b>System Memory</b>	1 x 204-Pin DDR3L 1600MHz SO-DIMM up to 8 GB (Default: 4GB)
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535min. and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring CPU & System Temperature and Voltage
<b>Board</b>	ECM-BSW
Expansion	
<b>Expansion</b>	1 x Full-Sized Mini PCI-e supports mSATA 1 x Half-Sized Mini PCI-e
Storage	
<b>Storage</b>	1 x Full-Sized Mini PCI-e supports mSATA 1 x 2.5" Drive Bay
I/O	
<b>USB</b>	4 x USB 3.0 2 x USB 2.0
<b>COM Port</b>	5 x RS-232
<b>Other</b>	1 x Power on/off Switch 1 x Power LED 1 x HDD LED 1 x SMA Connector (Optional)
Display	
<b>Chipset</b>	Intel® Atom™ Celeron® SoC Integrated Graphics
<b>Resolution</b>	HDMI: 1920 x 1080 @ 60Hz VGA: 1920 x 1080 @ 60Hz VGA + HDMI
<b>Interface</b>	VGA HDMI
Audio	
<b>Chipset</b>	Realtek ALC233 support 2.1-CH
<b>Audio Interface</b>	Mic-In and Line-Out
Ethernet	
<b>Chipset</b>	2 x Realtek RTL8119
<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 ~ 45°C (32°F ~ 113°F) (w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temp</b>	-20°C ~ 75°C (-4°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Weight</b>	1.5 kg
<b>Construction</b>	Aluminum + Metal
<b>Mounting Kit</b>	VESA/ Din rail/ Wall Mount (Optional.)
<b>Dimension (L x W x H)</b>	180 x 126 x 68 mm
Software Support	
<b>OS Information</b>	Win 7, Win 8, Win 10, Linux
Power Requirement	
<b>Power Connector</b>	DC Jack (lockable)
<b>Power Requirement</b>	+12V ~ +26V
<b>Power Mode</b>	ATX



**Adapter**

Input: 100 ~ 240Vac/ 50 ~ 60Hz  
Output: 60W Adapter (12V @ 5A)

**+** Ordering

ECS-BSW-A1R  
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