



EMX-BSWB

Intel® Celeron® N3160 Processor
Thin Mini ITX Motherboard

- > Intel® Celeron® N3160 Processor (2M Cache, up to 2.24 GHz)
- > 2 x 204-pin DDR3L 1600 MHz SO-DIMM supports up to 8GB
- > VGA, HDMI, Dual channel 18/24-bits LVDS
- > 1 x RealTek RTL8111F Gigabit Ethernet
- > Realtek ALC662 Audio Codec
- > Realtek ALC105 Stereo Class-D 3W x 2 Audio Amplifier
- > 1 x Full size Mini PCIe socket support mSATA only(SATAIII and mSATA switchable through jumper), 1 Half Mini PCIe support WiFi module
- > 2 x SATA III, 2 x SATA Power, 5 x USB 2.0, 2 x USB 3.0
- > 1 x RS232
- > Mic-in, Line-out, 1 S/PDIF
- > DC in +12V

+ Spec

System	
Processor	Intel® Celeron® N3160 Processor (2M Cache, up to 2.24 GHz)
System Memory	2 x 204-pin DDR3L 1600 MHz SO-DIMM supports up to 8GB
I/O Chip	Nuvoton NCT5567D
BIOS	AMI 64Mbit SPI BIOS
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
Expansion	
Expansion	1 x Full size Mini PCIe Supports mSATA (Switch Through Jumper) 1 x Half size Mini PCIe Supports WiFi module
I/O	
USB	5 x USB 2.0 2 x USB 3.0
SATA	2 x SATA Power 2 x SATA III
COM Port	1 x RS232
Other	1 x S/PDIF
Display	
Chipset	Intel® Celeron® SoC integrated Graphics
Resolution	VGA: 2560 x 1600 @ 60Hz HDMI: 3840 x 2160 @ 30Hz LVDS: 1920 x 1200 @ 60Hz
LVDS	2CH 18/24bits LVDS 1920 x 1200 eDP to LVDS Converter (Parade PS8625)
Multiple Display	HDMI + VGA + LVDS
Audio	
Chipset	Realtek ALC662 supports 2-CH
Audio Interface	Mic-in, Line-out
Audio Amplifier	2 x Stereo Class-D 3W Audio Amplifier
Ethernet	
Chipset	1 x RealTek RTL8111F Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	1 x RJ45
Mechanical & Environmental	
Power Requirement	+12V
Power Type	ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	0.88lbs (0.4Kgs)

+ Ordering

EMX-BSWB-A1R
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