



ECM-BSW

Intel® Pentium®/Celeron® SoC Processor 3.5" Micro Module

- Onboard Intel® Pentium®/Celeron® SoC BGA Processor
- One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1600 SDRAM
- Dual Display (HDMI, LVDS)
- 1 SATA III, 4 USB 3.0, 2 USB 2.0, 5 COM, 2 x Mini-PCle, 8-bit GPIO
- Fanless
- TPM 1.2 function (Optional)

+ Spec

System	
Processor	Intel® Pentium®/Celeron® processor
System Memory	1 x 204-Pin DDR3L 1600MHz SO-DIMM up to 8 GB
I/O Chip	Nuvoton NPCE388N
BIOS	Insyde 64Mbit SPI Flash ROM
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	2 x Mini PCIe 1 x Full-size Mini PCIe with mSATA Supported 1 x Half-size Mini PCIe
Storage	
Storage	1 x mSATA Supported from Mini PCIe
Touch Screen	
Built-in Touch controller(optional)	EETI ETP-CP-MER4485XRU With 5-pin 2.0mm Box Header (Can be Selected to Support 4/ 5Wire Touch Screen)
I/O	
USB	2 x USB 2.0, 4 x USB 3.0
SATA	1 x SATA III
Com Port	1 x RS-232/422/485, 4 x RS-232
DIO	8bit GPIO
MIO	1 x LPC, 1 x SPI
Display	
Chipset	Intel® Braswell SoC integrated Graphics Supports dual display
Resolution	HDMI: Max. resolution 1920x1080 @ 60Hz LVDS: Max. resolution 1920x1080 @ 60Hz LVDS + HDMI Dual-channel 18/ 24-bit LVDS VGA by pin header (Optional)
Audio	
Chipset	Realtek ALC233, supports 2.1-CH
Audio Interface	Audio Amp.:2W
Ethernet	
Chipset	2 x Realtek 8119I
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
Lan Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant

Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 158°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Dimension (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)
Certifications	
Certification Information	CE, FCC Class B
Software Support	
OS Information	Win 8, Win 7, Linux
Ordering Information	
Ordering Information	ECM-BSW-N3150-A1R 3.5" W/N3150/1SATA/5COM/A1

 Ordering

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