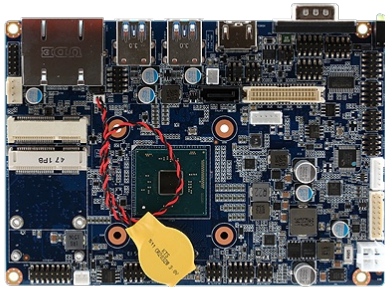




## ECM-BSW

### 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-PCIe, 8-bit GPIO
- > Fanless
- > TPM 1.2 function (Optional)

#### + Spec

System	
<b>Processor</b>	Intel® Pentium®/Celeron® processor
<b>System Memory</b>	1 x 204-Pin DDR3L 1600MHz SO-DIMM up to 8 GB
<b>I/O Chip</b>	Nuvoton NPCE388N
<b>BIOS</b>	Insyde 64Mbit SPI Flash ROM
<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
Expansion	
<b>Expansion</b>	2 x Mini PCIe 1 x Full-size Mini PCIe with mSATA Supported 1 x Half-size Mini PCIe
Storage	
<b>Storage</b>	1 x mSATA Supported from Mini PCIe
Touch Screen	
<b>Built-in Touch controller(optional)</b>	EETIETP-CP-MER4485XRU With 5-pin 2.0mm Box Header (Can be Selected to Support 4/ 5Wire Touch Screen)
I/O	
<b>USB</b>	2 x USB 2.0, 4 x USB 3.0
<b>SATA</b>	1 x SATA III
<b>Com Port</b>	1 x RS-232/422/485, 4 x RS-232
<b>DIO</b>	8bit GPIO
<b>MIO</b>	1 x LPC, 1 x SPI
Display	
<b>Chipset</b>	Intel® Braswell SoC integrated Graphics Supports dual display
<b>Resolution</b>	HDMI: Max. resolution 1920x1080 @ 60Hz LVDS: Max. resolution 1920x1080 @ 60Hz LVDS + HDMI Dual-channel 18/ 24-bit LVDS VGA by pin header (Optional)
Audio	
<b>Chipset</b>	Realtek ALC233, supports 2.1-CH
<b>Audio Interface</b>	Audio Amp.:2W
Ethernet	
<b>Chipset</b>	2 x Realtek 8119I
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>Lan Port</b>	2 x RJ-45
Mechanical & Environmental	
<b>Power Requirement</b>	+12V ~ +26V
<b>ACPI</b>	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
<b>Power Type</b>	AT/ATX
<b>Operating Temp</b>	0°C ~ 60°C (32°F ~ 158°F)
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Dimension (L x W)</b>	5.7" x 4" (146mm x 101mm)
<b>Weight</b>	0.44lbs (0.2kg)
Certifications	



<b>Certification Information</b>	CE, FCC Class B
<b>Software Support</b>	
<b>OS Information</b>	Win 8, Win 7, Linux

**+ Ordering**

ECM-BSW-N3150-A1R  
3.5" W/N3150/1SATA/5COM/A1