



ESM-BDW

5th Gen Intel® Core™ SoC Processor i7/i5/i3 Type6 COMe Compact Module

- > Onboard 5th Gen Intel® Core™ SoC i7/i5/i3 BGA Processor
- > 2 x 204pin DDR3L SO-DIMM up to 16GB
- > Support Dual Channel LVDS, Display Port, HDMI, VGA, eDP(option)
- > 4 SATA (6.0GB/s), 8 USB 2.0, 2 USB 3.0, 8-bit GPIO
- > Intel 1218LM Gigabit Ethernet
- > HD Audio Interface
- > Type 6 Pin-out

+ Spec

System	
Processor	Onboard 5th Gen Intel® Core™ i7-5650U 2-Core 2.2GHz processor Onboard 5th Gen Intel® Core™ i5-5350U 2-Core 1.8GHz processor Onboard 5th Gen Intel® Core™ i3-5010U 2-Core 2.1GHz processor
System Memory	2 x 204-Pin DDR3L 1600MHz SO-DIMM up to 16 GB Up to 2 DIMMs & 8GB per DIMM, total 16GB
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Expansion	
Expansion	4 x PCIe1
I/O	
USB	8 x USB 2.0 2 x USB 3.0
SATA	4 x SATA III
COM Port	2 x UART
DIO	1 x 8bit GPIO
MIO	1 x SMBus 1 x LPC 1 x I2C
Display	
Chipset	Intel®GT2 Integrated Graphics
Resolution	HDMI:Max. resolution 4000x2000@ 25Hz LVDS:Max. resolution 1920x1200@ 60Hz VGA:Max. resolution 1920x1200@ 60Hz DP:Max. resolution 3840x2160@ 60Hz
LVDS	CH7511B(eDP to LVDS) CH7517(DP to VGA)
Multiple Display	VGA+LVDS
DDI	HDMI DVI DisplayPort
Audio	
Audio Interface	Intel®High Definition Audio
Ethernet	
Chipset	1 x Intel®1218LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
Mechanical & Environmental	
Power Requirement	+9V ~ +19V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI3.0 Compliant
Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F) (Standard)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	3.7" x 3.7" (95mm x 95mm)
Certifications	
Certification Information	CE FCC Class B
Software Support	
OS Information	Win 8 Win 7



+ Ordering

EEV-EX14-A2R
mATX Ev. Board for COMe Type 6 A1.1

ESM-BDW-A1R
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SSD
Intel® SSD 535 Series (56GB, 120GB, 180GB, 240GB)

