

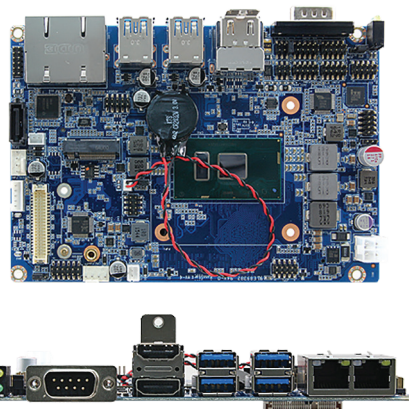
# ECM-SKLU

## 3.5" Single Board Computer

6th Gen Intel® Core™ SoC Processor i7/i5/i3  
3.5" Micro Module

## Features

- Onboard 6th Gen Intel® Core™ i7/i5/i3 BGA Processor
- One 260-pin DDR4 SODIMM Socket, Supports Up to 16GB DDR4 2133 SDRAM (only support non-ECC)
- Triple Display, Dual-channel 18/24-bit LVDS, Dual HDMI
- 1 x SATA III, 1 x Mini PCIe, 1 x M.2, 4 x USB 3.0 (compatible with USB 2.0), 2 x USB 2.0, 6 x COM, 8-bit GPIO
- HD Audio, Dual Gigabit Ethernet
- TPM 2.0/1.2 (Both optional)



## Specifications

### System

<b>CPU</b>	6th Gen Intel® Core™ i7-6600U, 2-Core, 2.6GHz processor 6th Gen Intel® Core™ i5-6300U, 2-Core, 2.4GHz processor 6th Gen Intel® Core™ i3-6100U, 2-Core, 2.3GHz processor
<b>BIOS</b>	AMI uEFI BIOS, 128Mbit SPI Flash ROM
<b>System Chipset</b>	SoC
<b>System Memory</b>	1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB
<b>Expansion</b>	1 x Mini PCIe Supports mSATA 1 x M.2 (B-Key, 2242) M.2 (2242) (B key support SATA or PCIe, USB3 & USB2) M.2 can support PCIeX2 or SSIC by OEM BIOS
<b>OS Support</b>	Win 10, Win 8.1, Win 7, Linux
<b>Storage</b>	1 x mSATA Supported from Mini PCIe 1 x M.2 (SATA)
<b>I/O Chip</b>	EC ITE IT8528E
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec.
<b>H/W Status Monitor</b>	Monitoring System Temperature and Voltage with Auto Throttling Control

### Display

<b>Chipset</b>	Intel® Skylake U SoC integrated Graphics Supports triple display
<b>Resolution</b>	HDMI: Max. resolution 4096x2160 @ 24Hz LVDS: Max. resolution 1920x1080@ 60Hz
<b>Multiple Display</b>	LVDS + Dual HDMI
<b>LCD Interface</b>	Dual-channel 18/ 24-bit LVDS

### I/O

<b>USB</b>	2 x USB 2.0 and 4 x USB 3.0
<b>COM Port</b>	1 x RS-232/422/485 and 5 x RS-232
<b>DIO</b>	1 x 8bit GPIO
<b>Other</b>	1 x SATA III, 1 x LPC, 1 x SPI, 2 x RJ-45

### Audio

<b>HD Codec</b>	Realtek ALC892 supports 5.1-CH
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### Ethernet

<b>Chipset</b>	1 x Intel® I211AT 1 x Intel® I219LM
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	2 x RJ-45

### Mechanical & Environment

<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>Certification Information</b>	CE FCC Class B
<b>Operating Temp</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temp</b>	-40°C ~ 75°C (-40°F ~ 167°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Certification</b>	CE, FCC Class B
<b>Dimension (L x W)</b>	5.7" x 4" (146mm x 101mm)
<b>Weight</b>	0.44lbs (0.2kg)

\* All product specifications and images are subject to change without notice.  
Last update: 07/27/2017