

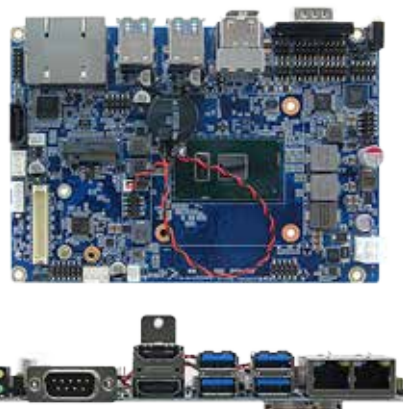
ECM-SKLU

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

CPU	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
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
System Chipset	SoC
System Memory	1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB
Expansion	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
OS Support	Win 10, Win 8.1, Win 7, Linux
Storage	1 x mSATA Supported from Mini PCIe 1 x M.2 (SATA)
I/O Chip	EC ITE IT8528E
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control

Display

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

I/O

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

Audio

HD Codec	Realtek ALC892 supports 5.1-CH
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Ethernet

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

Mechanical & Environment

Power Requirement	+12V ~ +26V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Type	AT/ATX
Certification Information	CE FCC Class B
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Certification	CE, FCC Class B
Dimension (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Info

ECM-SKLU-6300	Intel® Core™ i5-6300U, 2-Core, 2.4GHz processor 3.5" SBC
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* All product specifications and images are subject to change without notice.
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