

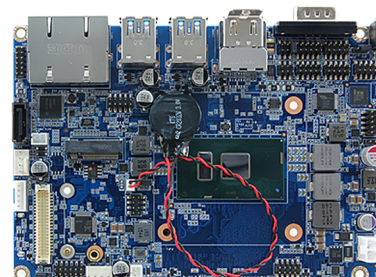
ECM-SKLU

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
- 1 x 260-pin DDR4 SODIMM Socket supports up to 16GB DDR4 2133 SDRAM (non-ECC)
- Supports Triple Display, Dual-channel 18/24-bit LVDS, 2 x 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
- Optional TPM 2.0/1.2



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
System Memory	1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16GB
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
I/O Chip	EC ITE IT8528E
Audio	Realtek ALC892 HD Audio, supports 5.1-CH
Ethernet	LAN 1: Intel® I211AT Gigabit Ethernet Controller LAN 2: Intel® I219LM Gigabit Ethernet Controller
Expansion	1 x mini-PCIe supports mSATA 1 x M.2 B-Key 2242 (B-Key supports SATA or PCIe, USB3, USB2 & with Micro SIM card connector for 3G/4G) M.2 can support PCIeX2 or SSIC by OEM BIOS 1 x SIM Card Slot
Storage	1 x mini-PCIe (mSATA) 1 x M.2 supports SATA or PCIe1/USB
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
OS Support	Win 10, Win 8.1, Win 7, Linux

Display

Chipset	Intel® Skylake U SoC Integrated Graphics
Resolution	HDMI: Max. resolution 4096x2160 @ 24Hz LVDS: Max. resolution 1920x1080@ 60Hz Dual-channel 18/ 24-bit LVDS
Multiple Display	Supports Triple Display LVDS + 2 x HDMI

External I/O

HDMI	2 x HDMI
LAN	2 x RJ45
USB	4 x USB 3.0
COM	1 x RS-232/422/485

Internal I/O

USB	2 x USB 2.0
DIO	1 x 8-bit GPIO
COM	5 x RS-232
SATA	1 x SATA III
MIO	1 x LPC, 1 x SPI

Mechanical & Environment

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 ~ 140°F)
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Form Factor	3.5" Single Board Computer (SBC)
Dimensions	5.7" x 4" (146mm x 101mm)
Weight	0.44 lbs (0.2kg)
Certification Info	CE, FCC Class B

Ordering Info

ECM-SKLU-6300	3.5" Intel® Core i5-6300U SoC Onboard
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* All product specifications and images are subject to change without notice.
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