



EMS-SKLU-4COM Isolation

6th Gen Intel® Core™ Processor i7/i5/i3/Celeron
Fanless Rugged Embedded System

Onboard 6th Gen Intel® Core™ SoC i7/i5/i3/Celeron Processor

One 260-pin SODIMM Socket Up to 16GB DDR4 2133MHz SDRAM

4x Isolated COM, 1xDP, 2xLAN, 1xCOM1, 4xUSB 3.0 Function Port

(1xGPIO, 1xCOM2, 1xAudio, 1xSMBus, 2xPS2)

Expansion Slot Supports 1 Mini PCIe Slot, 1 M.2 Interface

Front Access Swappable 2.5" Drive Bay, 2 SIM Card Slots

Rugged Design for Vibration & Shock Protection

Fanless Operating from -20 ~ 60°C, Support IP54

Power Input: Typical 12/24 Vdc (+9~ 32V)

Supports Intel® iAMT 11.0, TPM2.0 , Turbo Boost Technology, vPro, Wake on LAN, RAID 0/1

Service Window, Easy to Install M.2, Memory and PCIe Module

+ Spec

System Information-

Processor

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

6th Gen Intel® Celeron® 3955U, 2-Core, 2.0GHz processor

System Memory

1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB

Watchdog Timer

H/W Reset, 1sec. ~ 65535sec.

H/W Status Monitor

Monitoring CPU & System Temperature and Voltage

SBC

EBM-SKLUS + AUX-M07

Expansion

Expansion

1 x Avalue 80-Pin IET Interface

1 x Mini PCIe

1 x M.2 (2242/3042) B-Key, supports SATA/ PCIe1/ USB3.0

Storage

Storage

1 x 2.5" Drive Bay

1 x M.2 (SATA)

I/O

USB Port

4 x USB 3.0

COM Port

4 x Isolated RS-232/422/485, 2 x RS-232/422/485 (Jumper), supports auto-flow

GPIO

1 x 12bit GPIO

Other

2 x SIM Card Slot

1 x SMBus

2 x PS2/ KB & MS

2 x Knockouts for Antenna Mounting

Display

Graphic Chipset

Intel® Skylake SoC integrated Graphics

Spec. & Resolution

DP: Max. resolution 4096x2304 @ 60Hz

Audio

Audio Codec

Realtek ALC888S

supports 2.1-CH

Audio Interface

Mic-In, Line-In and Line-Out

Ethernet

LAN Chipset

1 x Intel® I211AT

1 x Intel® I219LM

Ethernet Interface

10/100/1000 Base-Tx GbE compatible

LAN Port

2 x RJ-45

Power Requirement

DC Input

Power input: Typical 12/24Vdc(+9V ~ +32V)

TVS component for surge protection

Reverse current/voltage protection

DC Input Connector

3-Pin Terminal Block

ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Mode	AT/ATX (ATX is default setting)
Adapter	Optional AC-DC Adapter

.Mechanical & Environmental

Operating Temperature	(w/SSD), ambient w/ air flow -20°C ~ 60°C (-4°F ~ 140°F) (w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing

W



Dimension (W x L x H)	9.45" x 5.96" x 2.36" (240mm x 151.5mm x 60mm)
Vibration Test	With SSD : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
Shock Test	With SSD : 50Grms, IEC 60068-2-27, Half Sine, 11ms
Mounting Kit	Wall Mount kit (Standard)
Construction	Aluminum + Metal

.Software Support

OS Information	Win 10 / Win 8.1 / Win 7 / Linux
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.Ordering Information

Ordering Information	EMS-SKLU-66-B1-4R 6th Gen Intel®Core™ Processor i7-6600U Fanless Rugged Embedded System with 4 Isolated COM
	EMS-SKLU-63-B1-4R 6th Gen Intel®Core™ Processor i5-6300U Fanless Rugged Embedded System with 4 Isolated COM
	EMS-SKLU-61-B1-4R 6th Gen Intel®Core™ Processor i3-6100U Fanless Rugged Embedded System with 4 Isolated COM
	EMS-SKLU-39-B1-4R 6th Gen Intel®Core™ Processor 3955U Fanless Rugged Embedded System with 4 Isolated COM

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