



EMS-SKLU-Marine

6th Gen Intel®Core™ Processor i7/i5/i3/Celeron,
Marine Fanless Rugged Embedded System with 4
COM Isolations

- > Onboard 6th Gen Intel® Core™ SoC i7/i5/i3/Celeron BGA Processor
- > One 260-pin SODIMM Socket Up to 16GB DDR4 2133MHz SDRAM
- > 4 COM port support 2.5KV Isolation Protection
- > Expansion Slot Supports 1 Mini PCIe Slot, 1 M.2, 1 IET Interface
- > Fanless Operating from -20 ~ 60°C, Support IP50
- > Power Input :Typical 12/24Vdc (+9 ~ +36V)
- > Supports Intel® iAMT 11.0, TPM2.0, Turbo Boost Technology, vPro, Wake on LAN
- > Service Window, Easy to Install M.2, Memory and Mini PCIe Module
- > IEC EN60945 Certified

+ Spec

System	
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 Board	Monitoring CPU & System Temperature and Voltage EBM-SKLUS
Expansion	
Expansion	1 x Avalue 80-Pin IET Interface 1 x Mini PCIe 1 x M.2 (B-Key, 2242, 3042, supports SATA/ PCIe1/ USB3.0)
Storage	
Storage	1 x 2.5" Drive Bay 1 x M.2 (SATA)
I/O	
USB	4 x USB 3.0 2 x USB 2.0
COM Port	2 x RS-232/422/485 (Jumper) 4 x RS232/422/485 (BIOS) supports 2.5KV Isolation Protection
DIO	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	
Chipset	Intel® Skylake SoC integrated Graphics
Resolution	DP: Max. resolution 4096x2304 @ 60Hz
Audio	
Chipset	Realtek ALC892 supports 2.1-CH
Audio Interface	Mic-In, Line-In and Line-Out
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 & Environmental	
Operating Temp	(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 Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Construction	Aluminum + Metal
Mounting Kit	Wall Mount kit (Standard)
Dimension (L x W x H)	9.45" x 5.96" x 2.95" (240mm x 151.5mm x 75mm)
Vibration Test	IEC60945, Clause 8.7 IEC60068-2-6
Shock Test	With SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms
Certifications	

Certification Information	CE / FCC Class A
Software Support	
OS Information	Win 10 / Win 8.1 / Win 7 / Linux
Power Requirement	
Power Connector	3-Pin Terminal Block
Power Requirement	Power Input: Typical 12/24Vdc (+9V ~ +36V)
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

+ Ordering

EMS-SKLU-66-A1-9R
6th Gen Intel®Core™ Processor i7, Marine Fanless Rugged Embedded System with 4 COM Isolations

EMS-SKLU-63-A1-9R
6th Gen Intel®Core™ Processor i5, Marine Fanless Rugged Embedded System with 4 COM Isolations

EMS-SKLU-61-A1-9R
6th Gen Intel®Core™ Processor i3, Marine Fanless Rugged Embedded System with 4 COM Isolations

EMS-SKLU-39-A1-9R
6th Gen Intel®Core™ Processor Celeron, Marine Fanless Rugged Embedded System with 4 COM Isolations