



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, RAID 0/1
- > Service Window, Easy to Install M.2, Memory and Mini PCIe Module
- > IEC EN60945 Certified

+ 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 + EBM-CDVS DB-B
Expansion	
Expansion	1 x Avalue 80-Pin IET Interface 1 x Mini PCIe 1 x M.2 (2242/3042) B-Key
Storage	
Storage	1 x 2.5" Drive Bay 1 x M.2 (SATA)
I/O	
USB Port	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
GPIO	1 x 12bit GPIO
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	
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
Certifications	
Certification Information	CE / FCC Class A
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 ~ +36V)
DC Input Connector	3-Pin Terminal Block
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI5.0 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	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L 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
Mounting Kit	Wall Mount kit (Standard)
Construction	Aluminum + Metal
Software Support	
OS Information	Win 10 / Win 8.1 / Win 7 / Linux
Ordering Information	
Ordering Information	<p>EMS-SKLU-66-B1-9R 6th Gen Intel®Core™ Processor i7, Marine Fanless Rugged Embedded System with 4 COM Isolations</p> <p>EMS-SKLU-63-B1-9R 6th Gen Intel®Core™ Processor i5, Marine Fanless Rugged Embedded System with 4 COM Isolations</p> <p>EMS-SKLU-61-B1-9R 6th Gen Intel®Core™ Processor i3, Marine Fanless Rugged Embedded System with 4 COM Isolations</p> <p>EMS-SKLU-39-B1-9R 6th Gen Intel®Core™ Processor Celeron, Marine Fanless Rugged Embedded System with 4 COM Isolations</p>