



## EMS-SKLU-PSE

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

- > Onboard 6th Gen Intel® Core™ SoC i7/i5/i3/Celeron BGA Processor
- > One 260-pin SODIMM Socket Up to 16GB DDR4 2133MHz SDRAM
- > 4xPowered LAN, 1xDP, 2xLAN, 1xCOM1, 4xUSB 3.0, 1xMulti-Function Port (1xGPIO, 1xCOM2, 1xAudio, 1xSMBus, 2xPS2)
- > Expansion Slot Supports 1 Mini PCIe Slot, 1 M.2, 1 IET Interface
- > Front Access Swappable 2.5" Drive Bay, 2 SIM Card
- > Rugged Design for Vibration & Shock Protection
- > Fanless Operating from -20 ~ 50°C, Support IP50
- > Power Input: Typical 12/24 Vdc
- > 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

### Spec

-System Information-	
<b>Processor</b>	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
<b>System Memory</b>	1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec.
<b>H/W Status Monitor</b>	Monitoring CPU & System Temperature and Voltage
<b>SBC</b>	EBM-SKLU-S + IET-PSEB
Expansion	
<b>Expansion</b>	1 x Mini PCIe 1 x M.2 (2242/3042) B-Key, supports SATA/ PCIe1/ USB3.0
Storage	
<b>Storage</b>	1 x 2.5" Drive Bay 1 x M.2 (SATA)
I/O	
<b>USB Port</b>	4 x USB 3.0
<b>COM Port</b>	2 x RS-232/422/485 (Jumper), supports auto-flow
<b>GPIO</b>	1 x 12bit GPIO
<b>Other</b>	2 x SIM Card Slot 1 x SMBus 2 x PS2/ KB & MS 2 x Knockouts for Antenna Mounting
Display	
<b>Graphic Chipset</b>	Intel® Skylake SoC integrated Graphics
<b>Spec. &amp; Resolution</b>	DP: Max. resolution 4096x2304 @ 60Hz
Audio	
<b>Audio Codec</b>	Realtek ALC888S supports 2.1-CH
<b>Audio Interface</b>	Mic-In, Line-In and Line-Out
Ethernet	
<b>LAN Chipset</b>	EMS-SKLU-PSEBF 1 x Intel® I211AT 1 x Intel® I219LM 4 x Intel® I210IT  EMS-SKLU-PSEBT 1 x Intel® I211AT 1 x Intel® I219LM 2 x Intel® I210IT
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	EMS-SKLU-PSEBF 6 x RJ45, 4 ports support IEEE 802.3af, total 60W  EMS-SKLU-PSEBT 4 x RJ45, 2 ports support IEEE 802.3at, total 60W
Power Requirement	
<b>DC Input</b>	Power input: Typical 12/24Vdc(+9V ~ +32V) TVS component for surge protection Reverse current/voltage protection
<b>DC Input Connector</b>	3-Pin Terminal Block
<b>ACPI</b>	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant



<b>Power Mode</b>	AT/ATX (ATX is default setting)
<b>Adapter</b>	Optional AC-DC Adapter (120W)
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	(w/SSD), ambient w/ air flow -10°C ~ 50°C (14°F ~ 122°F) (w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temperature</b>	-30°C ~ 70°C (-22°F ~ 158°F)
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Non-condensing
<b>Dimension (W x L x H)</b>	9.45" x 5.96" x 2.36" (240mm x 151.5mm x 60mm)
<b>Vibration Test</b>	With SSD : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
<b>Shock Test</b>	With SSD : 50Grms, IEC 60068-2-27, Half Sine, 11ms
<b>Mounting Kit</b>	Wall Mount kit (Standard)
<b>Construction</b>	Aluminum + Metal
<b>Software Support</b>	
<b>OS Information</b>	Win 10 / Win 8.1 / Win 7 / Linux
<b>Ordering Information</b>	
<b>Ordering Information</b>	<p>Model Name: EMS-SKLU-PSEBF (support 4 port IEEE 802.3af)            EMS-SKLU-66-B1-DR            6th Gen Intel®Core™ Processor i7-6600U Fanless Rugged Embedded System with 4 Powered LAN</p> <p>EMS-SKLU-63-B1-DR            6th Gen Intel®Core™ Processor i5-6300U Fanless Rugged Embedded System with 4 Powered LAN</p> <p>EMS-SKLU-61-B1-DR            6th Gen Intel®Core™ Processor i3-6100U Fanless Rugged Embedded System with 4 Powered LAN</p> <p>EMS-SKLU-39-B1-DR            6th Gen Intel®Celeron Processor 3955U Fanless Rugged Embedded System with 4 Powered LAN</p> <p>Model Name: EMS-SKLU-PSEBT (support 2 port IEEE 802.3at)            EMS-SKLU-66-B1-ER            6th Gen Intel®Core™ Processor i7-6600U Fanless Rugged Embedded System with 2 Powered LAN</p> <p>EMS-SKLU-63-B1-ER            6th Gen Intel®Core™ Processor i5-6300U Fanless Rugged Embedded System with 2 Powered LAN</p> <p>EMS-SKLU-61-B1-ER            6th Gen Intel®Core™ Processor i3-6100U Fanless Rugged Embedded System with 2 Powered LAN</p> <p>EMS-SKLU-39-B1-ER            6th Gen Intel®Celeron Processor 3955U Fanless Rugged Embedded System with 2 Powered LAN</p>