



EBM-SKLU

6th Gen Intel® Core™ SoC Processor i7/i5/i3 5.25" Mini Module

- > Onboard 6th Gen Intel® Core™ SoC i7/i5/i3 BGA Processor
- > 2 x 260pin DDR4 SO-DIMM up to 16G per DIMM, total 32GB (non ECC only)
- > Dual display (LVDS & HDMI)
- > 1 SATA III, 2 Mini PCIe, 4 USB 3.0, 4 USB 2.0, 16-bit GPIO
- > +12 ~ 26V Wide Power Range
- > TPM 2.0 & TPM 1.2 (Both optional)

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
System Memory	2 x 260-Pin DDR4 2133MHz SO-DIMM up to 32 GB Up to 2 DIMMs & 16GB per DIMM, total 32GB
I/O Chip	EC ITE IT8528E
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec. and 1sec./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
Expansion	
Expansion	1 x Mini PCIe Supports SIM Card 1 x Mini PCIe Supports mSATA
Storage	
Storage	1 x mSATA Supported from Mini PCIe
Touch Screen	
Built-in Touch controller (optional)	EETI ETP-CP-MER4485XRU 1 x 5-pin 2.0mm Pin Header
I/O	
USB	4 x USB 3.0 4 x USB 2.0
SATA	1 x SATA III
COM Port	2 x RS-232/422/485 4 x RS-232 (Optional)
DIO	1 x 16bit GPIO
MIO	1 x LPC 1 x SPI
Other	1 x SIM Card Slot
Display	
Chipset	Intel® Skylake U SoC integrated Graphics Supports dual display
Resolution	HDMI: Max. resolution 4096x2160 @ 24Hz LVDS: Max. resolution 1920x1080 @ 60Hz HDMI + LVDS 1 x eDP via CH7511 Supports 24-bit Dual Channel LVDS 2x20 pin Hirose Connector for (Optional BOM for 1 x internal eDP or default 1 x CH7511B LVDS for 2 x 24-bit.)
Audio	
Chipset	Realtek ALC233 supports 2.1-CH
Audio Interface	Line-Out and Amp.
Ethernet	
Chipset	1 x Intel® I210AT 1 x Intel® I219LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V ~ +26V
Power Type	AT/ATX
Operating Temperature	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



Dimension (L x W)	8" x 5.75" (203mm x 146mm)
Weight	0.55lb (0.25kg)
Certifications	
Certification Information	CE FCC Class B
Software Support	
OS Information	Win 10 Win 8.1 Win 7 Linux

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