

# ESM-SKLU

COM Express Module

6th Gen Intel® Core™ SoC ULT Processor i7/i5/i3  
Type6 Compact COMe Module

## Features

- Onboard 6th Gen Intel® Core™ SoC ULT i7/i5/i3 BGA Processor
- Two 260pin SODIMM DDR4 2133 SDRAM Slot up to 32GB
- Supports Dual Channel LVDS, Display Port, VGA/HDMI
- Optional eDP
- 3 x SATA (6.0GB/s), 8 x USB 2.0, 4 x USB 3.0, 8-bit GPIO
- Intel i219LM Gigabit Ethernet
- Type 6 Rev 2.1 Pin-out
- Supports Intel® iAMT 11.0, TPM 2.0 (Factory Optional)
- Supports Turbo Boost Technology, vPro, Wake on LAN



## Specifications

### System

CPU	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	2 x 260-pin SO-DIMM DDR4 2133 SDRAM slot up to 32 GB
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
I/O Chip	EC ITE IT8528E
Expansion	8 x PCIe x1 (it restricted to 5 devices due to LAN already count as one device)
OS Information	Win 10, Win 8, Win 7

### I/O

USB	8 x USB 2.0 4 x USB 3.0
SATA	3 x SATAIII
COM Port	2 x UART
DIO	1 x 8 bit GPIO
MIO	1 x LPC, 1 x I2C, 1 x SPI, 1 x SMBus

### Display

Chipset	Intel® Skylake Processor integrated Graphics
Resolution	HDMI: Max. resolution 4096x2160 @ 24Hz LVDS: Max. resolution 1920x1200 @ 60Hz VGA: Max. resolution 1920x1200 @ 60Hz DP: Max. resolution 4096x2304 @ 60Hz
LVDS	CH7511B (eDP to LVDS)
Multiple Display	LVDS(eDP) + VGA(HDMI) + DDI(HDMI or DP)
DDI	HDMI DVI DisplayPort

### Audio

Audio Interface	Intel® High Definition Audio
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### Ethernet

Chipset	1 x Intel® i219LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible

### Mechanical & Environment

Power Requirement	+9 (-5%)~ +19V (+5%), VSB: 5V(±5%)
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temp	-20°C ~ 80°C (-40°F ~ 176°F)
Storage Temp	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	0%~90% relative humidity, non-condensing
Dimension (L x W)	3.7" x 3.7" (95mm x 95mm)
Certification Information	CE / FCC Class B

### Ordering Info

ESM-SKLU-3955U	Intel® Celeron® 3955U 2-Core 2.0GHz Processor COMe Module
EEV-EX14	COM Express Type 6 Carrier Board (uATX) for Evaluation

\* All product specifications and images are subject to change without notice.  
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