

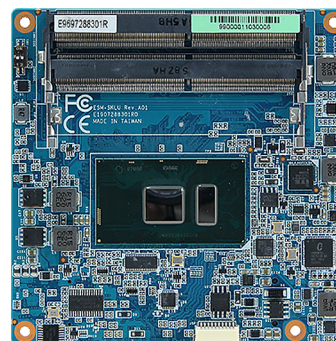
ESM-SKLU

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, DisplayPort (DP++), 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 Please note: CPU coolers are not included. Please see Ordering Info tab for more details.
System Chipset	Intel® Skylake SoC Integrated
System Memory	2 x 260-pin SO-DIMM DDR4 2133 SDRAM slot up to 32 GB
Audio	Intel® High Definition Audio
Ethernet	LAN1: Intel® i219LM Gigabit Ethernet Controller
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
I/O Chip	EC ITE IT8528E
Expansion	8 x PCIe x1 (1 restricted to 5 devices due to LAN already count as one device)
OS Support	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 (supports DP++): Max. resolution 4096x2304 @ 60Hz
LVDS	CH7511B (eDP to LVDS)
Multiple Display	LVDS(eDP) + VGA(HDMI) + DDI(HDMI or DP)

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	0°C ~ 60°C (32°F ~ 140°F) Extend:-20°C ~ 70°C (-4°F ~ 158°F) on request
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Form Factor	Compact COM Express Module
Certification Information	CE / FCC Class B
Dimensions	3.7" x 3.7" (95mm x 95mm)
Weight	0.44 lbs (0.2kg)

Ordering Info

ESM-SKLU-6600U	Intel® Core i7-6600U 2.6GHz Dual Core Type6 COMe Module
ESM-SKLU-6300U	Intel® Core i5-6300U 2.4GHz Dual Core Type6 COMe Module
SM-SKLU-6100U	Intel® Core i3-6100U 2.3GHz Dual Core Type6 COMe Module
ESM-SKLU-3955U	Intel® Celeron 3955U 2.0GHz Dual Core, 2 Type6 COMe Module
EEV-EX14-A2R	mATX Ev. COMe Type 6 A1.1
ACC-ESMSKLU-CL-1R	Cooler for ESM-SKLU & ESM-KBLU W/FAN H=50.5mm
ACC-ESMSKLU-SK-1R	Heatsink for ESM-SKLU/ESM-KBLU H=35.5mm
ACC-ESMSKLU-SD-1R	Heatspreader for ESM-SKLU/ESM-KBLU H=10.9mm

* All product specifications and images are subject to change without notice.
Last update: 2021/02/12