



EMX-SKLGP

6th/7th Gen Intel® Core™ SoC i7/i5/i3 & Celeron Processor Thin Mini ITX Motherboard

- > 2 x 260-pin DDR4 SO-DIMM Socket, Supports Up to 32GB
- > 1 x VGA, 1 x HDMI, 2 x Dual-channel LVDS
- > 1 x Intel® i211AT & 1 x Intel® i219LM Gigabit Ethernet
- > 4 x USB 3.0, 4 x USB 2.0, 2 x RS-232/422/485. 4 x RS-232, 16-bit GPIO
- > 1 x M.2 Key A, 1 x Mini-PCIe
- > 1 x PCIe*4 Gold Finger (1 x SMBUS, 1 x USB2.0, 1 x PCIe*4 or 4 x PCIe*1)
- > Onboard Infineon SLB9665 TPM 2.0
- > DC in +12~24V

+ 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 6th Gen Intel® Core™ 3955U, 2-Core, 2.0GHz processor
System Memory	2 x 260-pin DDR4 2133 MHz SO-DIMM supports up to 32GB
I/O Chip	EC iTE IT8528E
BIOS	AMI 128Mbit SPI BIOS
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
Expansion	
Expansion	1 x Mini PCIe 1 x M.2 Key A 2230
I/O	
USB	4 x USB 2.0 4 x USB 3.0
SATA	1 x SATA Power 1 x SATA III
COM Port	4 x RS232 2 x RS232/422/485
DIO	1 x 16-bit GPIO
Display	
Chipset	Intel® 6th Gen U series SoC integrated Graphics
Resolution	HDMI: 1.4b: 3840 x 2160 @ 30 Hz, 2560 x 1600@ 30 Hz VGA: 2048 x 1536 @ 50Hz
LVDS	2CH 18/24bits LVDS 1920 x 1080 1 x Dual channel 18/24-bits LVDS1 (Chrontel CH7511B eDP to LVDS1) 1 x Dual channel 18/24-bits LVDS2 (Chrontel CH7511B DP to LVDS2) (Chrontel. CH7511B eDP to LVDS Converter) Co-lay eDP 1.3: 4096x2160 BOM optional
Multiple Display	1 x VGA, 1 x HDMI, 2 x Dual-channel LVDS
Audio	
Chipset	Realtek ALC892 supports 2-CH
Audio Interface	Mic-in, Line-out
Audio Amplifier	2 x Stereo Class-D 6W Audio Amplifier
Ethernet	
Chipset	1 x Intel® I219LM Gigabit Ethernet PHY 1 x Intel® I211AT PCIe Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ45
DC In / Out Connector	
Input Power Connector	12~24V
Mechanical & Environmental	
Power Requirement	+12V~24V
Power Type	AT/ATX mode switchable through jumper
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	0.88lbs (0.4Kgs)
Form-Factor	Mini-ITX
Power Requirement	
Power Mode	AT/ATX mode switchable through jumper

+ Ordering

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