

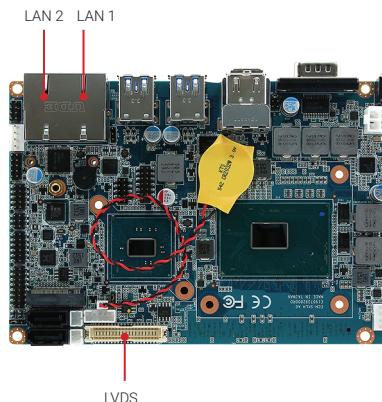
ECM-SKLH

3.5" Single Board Computer

6th Gen Intel®Core™ Processor i7/i5/i3 3.5" Micro Module with Intel® QM170 Chipset

Features

- Onboard 6th Gen Intel®Core™ i7/i5/i3 BGA Processor
- One 260-pin DDR4 SODIMM Socket, Supports Up to 16GB DDR4 2133 SDRAM (only support non-ECC)
- Dual-channel 18/24-bit LVDS, HDMI, VGA
- Triple Display (LVDS, 2x HDMI)
- 2 SATA III, 1 Mini PCIe, 4 USB 3.0, 1 M.2 (2242) SSD, 2 USB 2.0, 2 COM, 8-bit GPIO
- HD Audio, Dual Gigabit Ethernet
- TPM 2.0/1.2 (Both optional)
- iAMT 11



Specifications

System

CPU	6th Gen Intel® Core™ i7-6820EQ 4-Core 2.8GHz processor 6th Gen Intel® Core™ i5-6440EQ 4-Core 2.7GHz processor 6th Gen Intel® Core™ i3-6100E 2-Core 2.7GHz processor
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
System Chipset	Intel® QM170 Express Chipset
I/O Chip	EC ITE IT8528E
System Memory	1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB
Expansion	1 x mini-PCIe with mSATA Support 1 x M.2 (B-Key, 2242)
Watchdog Timer	Reset: 1sec. ~ 65536sec.
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
Storage	1 x mSATA Supported from Mini PCIe 1 x M.2 (SATA)

OS Support

OS Info	Win 10, Win 8.1, Win 7, Linux
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I/O

MIO	2 x SATA III, 1 x RS-232/422/485, 1 x RS-232, 1 x LPC, 1 x SPI
USB	2 x USB 2.0, 4 x USB 3.0
DIO	1 x 8-bit GPIO

Display

Chipset	Intel® Skylake Integrated Graphics
Resolution	HDMI: Max. resolution 3840x2160 @ 24Hz LVDS: Max. resolution 1920x1080 @ 60Hz LVDS + Dual HDMI Dual-channel 18/ 24-bit LVDS
Multiple Display	Supports Triple Display

Audio

HD Codec	Realtek ALC233 supports 2.1-CH
Audio Amp	2W

Ethernet

LAN Chip	1 x Intel® I210AT Gigabit Ethernet Controller 1 x Intel® I219LM Gigabit Ethernet PHY
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environment

Power Requirement	+12V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0%~90% Relative Humidity, Non-condensing
Form Factor	3.5" Single Board Computer (SBC)
Dimensions	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

* All product specifications and images are subject to change without notice.
Last update: 3/2/2016