

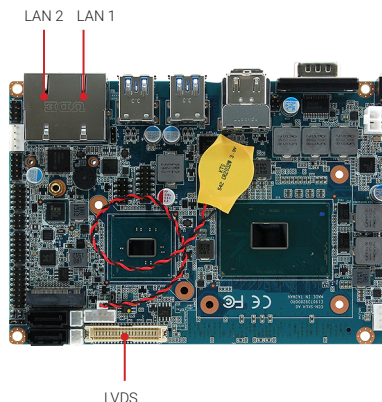
ECM-SKLH

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
- 1 x 260-pin DDR4 SODIMM Socket supports up to 16GB DDR4 2133 SDRAM (non-ECC)
- Dual-channel 18/24-bit LVDS, HDMI, VGA
- Triple Display (LVDS, 2 x HDMI)
- 2 x SATA III, 1 x mini-PCIe, 4 x USB 3.0, 1 x M.2 (2242) B-Key, 2 x USB 2.0, 2 x COM, 8-bit GPIO
- HD Audio
- Dual Gigabit Ethernet
- Optional TPM 2.0/1.2
- 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
System Chipset	Intel® QM170 Express Chipset
System Memory	1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB
BIOS	AMI uEFI BIOS, 128Mbit SPI Flash ROM
I/O Chip	EC ITE IT8528E
Audio	Realtek ALC233 HD Audio, supports 2.1-CH
Ethernet	LAN 1: Intel® I210AT Gigabit Ethernet Controller LAN 2: Intel® I219LM Gigabit Ethernet Controller
Expansion	1 x mini-PCIe with mSATA Support 1 x M.2 B-Key 2242
Storage	1 x mini-PCIe (mSATA) 1 x M.2 supports SATA or PCIe1/USB
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
OS Support	Win 10, Win 8.1, Win 7, Linux

Display

Chipset	Intel® Skylake Integrated Graphics
Resolution	HDMI 2.0b Max resolution 4096x2160 @60Hz LVDS: Max. Resolution 1920x1080 @ 60Hz Dual-channel 18/24-bit LVDS
Multiple Display	Supports Triple Display LVDS + 2 x HDMI

External I/O

HDMI	2 x HDMI
LAN	2 x RJ45
USB	4 x USB 3.0
COM	1 x RS-232

Internal I/O

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

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 Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Form Factor	3.5" Single Board Computer (SBC)
Dimensions	5.7" x 4" (146mm x 101mm)
Weight	0.44 lbs (0.2kg)
Certification Info	CE, FCC Class B

Ordering Info

ECM-SKLH-6820EQ 3.5" Intel® QM170 Core i7-6820EQ CPU Onboard

* All product specifications and images are subject to change without notice.
Last update: 2021/02/23