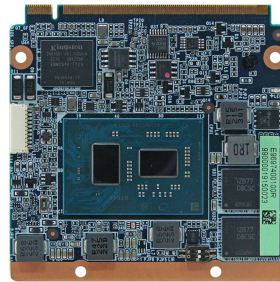


EQM-EHL

Intel Atom®x6000E
Series/Pentium®/Celeron® SoC Processor
Qseven Module



Product Features

- Intel Atom® x6000E Series/Pentium®/Celeron® SoC processor Qseven Spec. Rev. 2.1 Compliant
- 1 x Intel® I226LM/IT
- Onboard eMMC 5.1 64/128GB (Optional)
- Qseven Size: 2.75" x 2.75" (70mm x 70mm)
- Onboard Single Channel LPDDR4 4GB Memory Down (8GB for BOM Option) with 3200MT/s
- Intel® HD Audio Integrated on CPU
- Onboard TPM 2.0
- DC in +5V

Specification

System Information

Processor	Intel® Atom™ x6000E Series/Pentium®/Celeron® SoC Processor
System Memory	Onboard Single Channel LPDDR4 4GB Memory Down (8GB for BOM Option) with 3200MT/s
I/O Chipset	EC iTE IT5571
BIOS	AMI uEFI BIOS, 256 Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1Sec. ~ 65535Sec. and 1Sec./Step
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
TPM	Onboard TPM 2.0

Expansion

Expansion	4 x PCIe x1 (Gen 3)
-----------	---------------------

Storage

Storage	Onboard eMMC 5.1 64GB / 128 GB (Optional)
---------	---

Display

Graphic Chipset	Intel® SoC Processor Integrated Gen11 LP Graphics
Spec. & Resolution	DP 1.4 Max Resolution 4096x2160 @60Hz or HDMI 2.0b Max Resolution 4096x2160 @60Hz eDP 1.3 Max Resolution 4096x2160 @60Hz Only or LVDS Max Resolution 1920 x 1080@60Hz Dual Channel 18/24-bits LVDS (Chrontel CH7511A-BF eDP to LVDS) *By BOM Option Via HW/BIOS, Refer to Block Diagram for Detail.

Multiple Display	Up to 2 Independent Display HDMI DP eDP LVDS
------------------	--

LVDS	CH7511B(eDP to LVDS)
------	----------------------

Audio

Audio Interface	Intel® HD Audio Integrated on CPU
-----------------	-----------------------------------

Ethernet

LAN Chipset	1 x Intel® I226LM/IT
-------------	----------------------

Ethernet Interface	10/100/1000/2500 Base-Tx GbE Compatible
--------------------	---

Software Support

OS	Windows 10, Windows 11 IoT Enterprise (64-bit) Linux
----	---

Certification

Certification Information	CE, FCC Class, RoHS Compliant
---------------------------	-------------------------------

I/O

USB	1 x USB 3.2 Gen1 8 x USB2.0
-----	--------------------------------

COM Port	1 x UART
----------	----------

PCIe	4 x PCIe x1 (Gen 3)
------	---------------------

SATA	2 x SATA III
------	--------------

MIO	1 x SMBus 1 x LPC 1 x I2C 1 x SDIO 1 x SD 1 x SPI
-----	--

Mechanical & Environmental

Operating Temp.	Standard 0°C ~ 60°C (32°F ~ 140°F) Extended -40°C ~ 85°C (-40°F ~ 185°F)
-----------------	---

Storage Temp.	-40°C ~ 85°C (-40°F ~ 185°F)
---------------	------------------------------

Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
--------------------	--

Weight	0.095lbs (0.043Kg)
--------	--------------------

Power Requirement	+5V
-------------------	-----

Power Mode	ATX
------------	-----

Dimension (L x W)	2.75" x 2.75" (70mm x 70mm)
-------------------	-----------------------------

Ordering Information

EQM-EHL-N6211-A1R
Intel®Celeron® N6211 Q7/4G LPDDR4

EQM-EHL-N6415-A1R
Intel®Pentium® N6415 Q7/4G LPDDR4

EQM-EHL-X11E-A1R
Intel® Atom® X6211E Q7/4G LPDDR4

EQM-EHL-X13E-A1R
Intel® Atom® X6413E Q7/4G LPDDR4
