Q7M120-120-EVK

Freescale i.MX6 Qseven SoM Evaluation Kit

NEW

▲ Q7B120

Features

- Ultra Low power consumption Cortex™-A9
- High flexibility Qseven v2.0 compliant design
- 2 CAN 2.0B
- 18/24-bit TTL LCD
- LVDS/HDMI 1080P
- 10/100/1000 Mbps Ethernet
- Linux3.0.35/Android4.3
- Audio
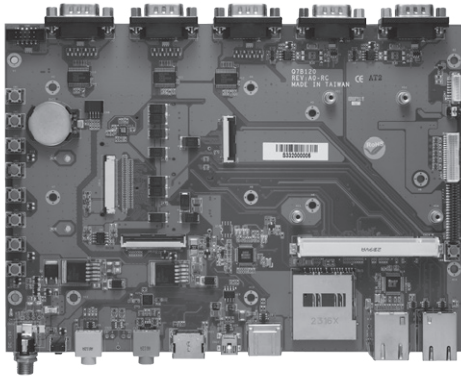
System

Processor	On Q7M120 SoM
System Memory	On Q7M120 SoM
OS	Linux kernel 3.0.35, Android 4.3
RTC	Battery on the Baseboard is required
Power Requirement	+5V ± 5%, 5A
Size	210 x 150 mm
Board Thickness	1.6 mm ± 0.15mm
Operation Humidity	10% ~ 95%, non-condensing

## I/O

Graphics	1 18/24-bit TTL LCD 1 HDMI 1080P 1 Dual channel 24-bit LVDS
Ethernet	1 RJ-45 for 10/100 Mbps 1 RJ-45 for 10/100/1000 Mbps
Audio	MIC-in and Headphone
COM	4 UARTs with TX/RX/RTS/CTS (one with 3.3V TTL level) 1 Console port
USB	1 OTG client and 1 USB 2.0
I²C	3
CAN	2
Keypad	8
Storage	1 SD/MMC socket, 1 SATA connector
Touch	4-wire touch screen controller
Mini Card	2 Full size (with SIM)

Ordering Information

Standard

Q7M120-120-EVK DualLite-I	Evaluation Kit Board
Q7M120-120-EVK Quad-I	Evaluation Kit Board

Optional

P/N: 5078Q120100E	Q7M120 Heatspread (-40 °C ~70 °C)
P/N: 5078Q120200E	Heatsink (-40 °C ~75 °C)
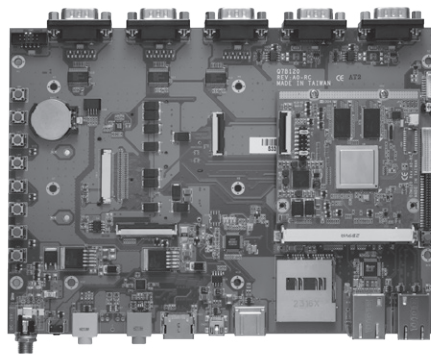
▲ Q7M120-120-EVK

SBC
Services
and Solutions

Systems
on
Modules

Embedded
SBCs
>EPIC

Embedded
SBCs
>3.5" Capa

Embedded
SBCs
>Nano-ITX

Embedded
SBCs
>Pico-ITX

Embedded
SBCs
>PC/104

Industrial
Mother-boards

Slot CPU
Cards

6
ARM
Embedded
Boards

Accessories

Appendix

* All specifications and photos are subject to change without notice.

axiomtek.com