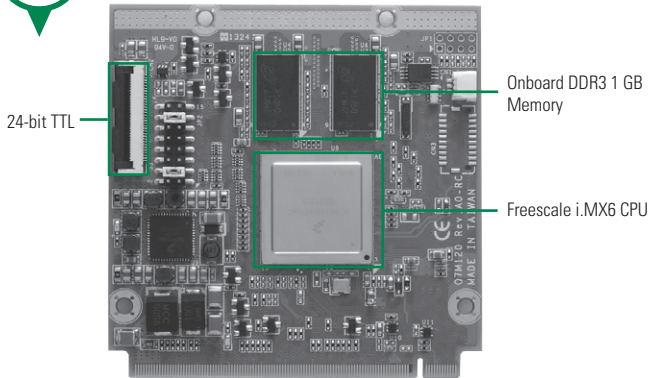


Q7M120

Freescale i.MX6 Qseven SoM

NEW



Features

- Ultra Low Power Consumption Cortex™-A9
- High flexibility Qseven v2.0 Compliant Design
- 2 CAN
- 24-bit TTL Signal
- LVDS/HDMI 1080P
- 10/100/1000 Mbps Ethernet
- Linux 3.0.35/Android 4.3
- Audio

System

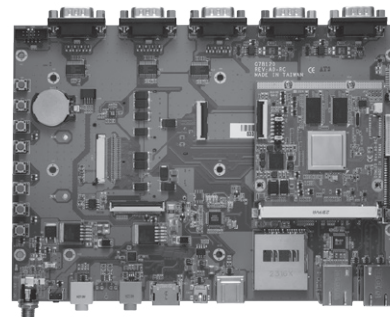
Processor	Freescale i.MX6 Series SoC with Quad/DualLite/Solo ARM Cortex™-A9 CPU 800 MHz/ 1 GHz (only Solo)
System Memory	On-board DDR3 1 GB
OS	Linux kernel 3.0.35, Android 4.3
Storage	eMMC flash 4 GB, SDIO interface SATA interface (Quad cores CPU)
RTC	Battery on the Baseboard is required
Power Requirement	+5V, 1A
Size	70 x 70 mm
Board Thickness	1.2 mm ± 0.1mm
Operating Temperature	-40°C ~ +85°C (Industrial)
Operation Humidity	10% ~ 95%, non-condensing

I/O

Graphics	1 24-bit TTL Signal 2 Single channel 24-bit LVDS 1 HDMI 1080P
Ethernet	1 10/100/1000 Mbps
Audio	Mic-in/Headphone
COM	3 UARTs with TX/RX/RTS/CTS (one with 3.3V TTL level) 1 Console port
USB	1 OTG client and 1 USB 2.0 port
I ² C	3 I ² C Interface
SPI	Yes
CAN	2 ports as 2.0B protocol-compatible Controller Area Network (CAN) interfaces
GPIO	8 button-detect
PCIe	1 PCIe x1

Ordering Information

Standard	
Q7M120- DualLite-I (P/N:E38Q120100)	Q7M120 with Freescale iMX6 DualLite 800 MHz (Industrial) SoC, 1 GB Memory, 4 GB eMMC, 10/100/1000 Mbps Ethernet, Audio, CAN
Q7M120- Quad-I (P/N:E38Q120102)	Q7M120 with Freescale iMX6 Quad 800 MHz (Industrial) SoC, 1 GB Memory, 4 GB eMMC, 10/100/1000 Mbps Ethernet, Audio, CAN
Optional	
Q7M120-120-EVK DualLite-I	Evaluation Kit Board
Q7M120-120-EVK Quad-I	Evaluation Kit Board
Q7M120-Quad-T	Q7M120 with Freescale iMX6 Quad 1 GHz (Automotive) SoC, 1 GB Memory, 4 GB eMMC, 10/100/1000 Mbps Ethernet, Audio, CAN
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 Motherboards

Slot CPU Cards

6 ARM Embedded Boards

Accessories

Appendix

