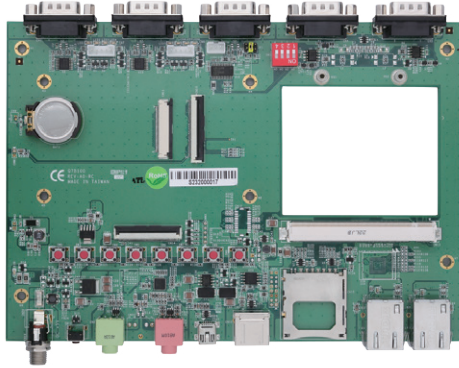


Q7M100-100-EVK

Freescale i.MX28 Qseven SoM Evaluation Kit



▲ Q7B100

Features

- Ultra Low power consumption ARM9
- High flexibility Qseven v1.2 compliant design
- 5 UART
- 2 CAN
- 24-bit TTL LCD
- 10/100 Mbps Ethernet
- Linux 2.6.35

System

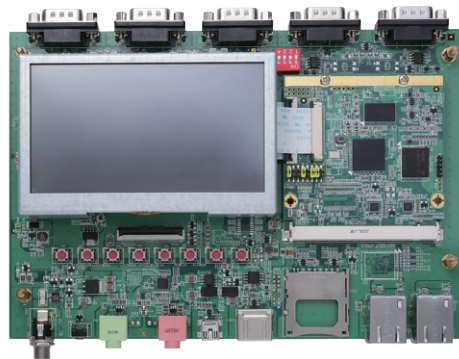
Processor	On Q7M100 SoM
System Memory	On Q7M100 SoM
OS	Linux kernel 2.6.35
RTC	Battery on the Baseboard is required
Power Requirement	+5V ± 5%, 5A
Size	200 x 140 mm
Board Thickness	1.6 mm ± 0.15mm
Operation Humidity	10% ~ 95%, non-condensing

I/O

Graphics	1 24-bit TTL LCD
Ethernet	2 RJ-45 for 10/100 Mbps
Audio	2 Audio connector on the rear I/O with MIC-in and Headphone
COM	5 UARTs with TX/RX/RTS/CTS (one with 3.3V TTL level)
USB	2 USB 2.0 ports: 1 OTG client and 1 Host
I ² C	2 I ² C Interface
CAN	2 D-Sub 9-pin male connectors for 2.0B protocol-compatible Controller Area Network (CAN) interfaces
Keypad	8 button-detect circuit
Storage	1 SD/MMC socket, 1 SATA connector SPI nor Flash
Touch	4-wire touch screen controller
Extension Slot and Socket	1 connector with I2C/SPI/3.3V TTL TX/RX/RTS/CTS combination for expansion

Ordering Information

Standard	
Q7M100-100-EVK	Evaluation Kit Board



▲ Q7M100-100-EVK