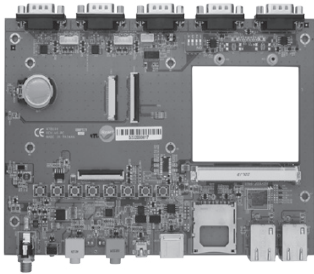


Q7M100-100-EVK

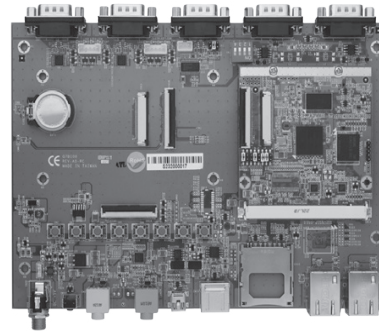
Qseven v1.2 SoM Evaluation Kit with i.MX287 454 MHz (Industrial) SoC, 128MB Memory, 4GB eMMC, Gigabit Ethernet, Audio, CAN and BSP

Features

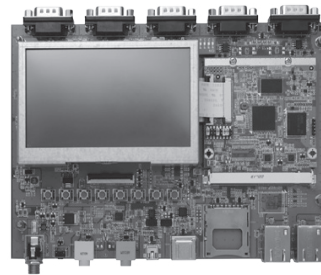
- Ultra low power consumption ARM9
- High flexibility Qseven v1.2 compliant design
- 5 UART
- 2 CAN
- 24-bit TTL LCD
- 10/100 Mbps Ethernet
- Linux 2.6.35



▲ Q7B100



▲ Q7M100-100-EVK



▲ Q7M100-100-EVK

Core System

Processor	Freescalo iMX-287 ARM926EJ-S CPU 454 MHz (On Q7M100 SoM)
System Memory	Onboard DDR2-667, up to 128MB (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 x 24-bit TTL LCD
Ethernet	2 x RJ-45 for 10/100 Mbps
Audio	2 x Audio connector on the rear I/O with MIC-in and Headphone
COM	4 x COM with TX/RX/RTS/CTS (one with 3.3V TTL level) 1 x Console Port
USB	1 x OTG client 1 x USB 2.0
I ² C	2 x I ² C Interface
CAN	2 x D-Sub 9-pin male connectors
Keypad	8
Storage	1 x SD/MMC socket 1 x SATA connector
Touch	4-wire touch screen controller

Ordering Information

Standard	
Q7M100-100-EVK	Q7M100-100 evaluation kit board

Packing list

N/A	- USB OTG cable - Console port cable - Power cable - AC DC adapter 5V/5A 25W - Utility CD
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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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