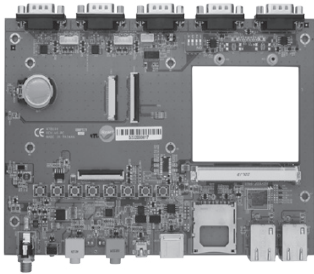


Q7M100-100-EVK

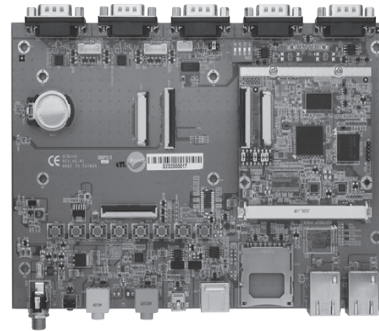
Qseven v1.2 SoM Evaluation Kit with i.MX287 454 MHz (Industrial) SoC, 128MB Memory, 4GB eMMC, Gigabit Ethernet, Audio, CAN and BSP

Features

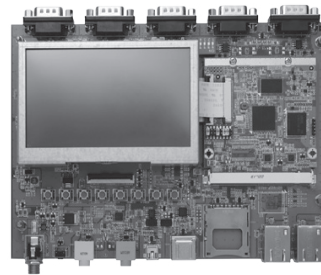
- Ultra low power consumption ARM9
- High flexibility Qseven v1.2 compliant design
- 5 UART
- 2 CAN
- 24-bit TTL LCD
- 10/100 Mbps Ethernet
- Linux 2.6.35



▲ 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 |
|-----|---|

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.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660