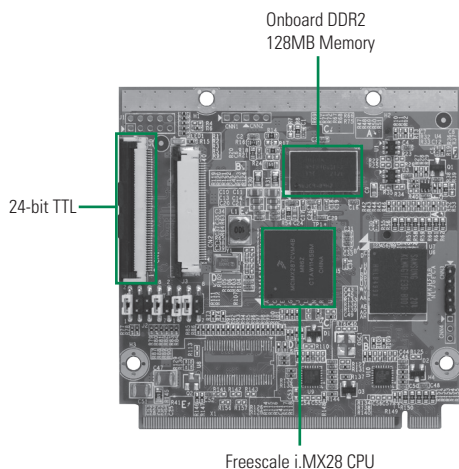


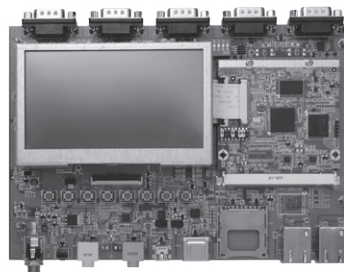
Q7M100

Q7M100 with i.MX287 454 MHz (Industrial) SoC, 128 MB Memory, 4 GB eMMC, 10/100Mbps Ethernet, Audio, CAN



Features

- Ultra low power consumption ARM9
- High flexibility Qseven v1.2 compliant design
- 2 CANBus 2.0B compliant ports
- 24-bit TTL LCD
- Dual 10/100 Base-T Ethernet
- Audio



▲ Q7M100-100-EVK

System

CPU	Freescale iMX-28 Series SoC with 287 ARM926EJ-S CPU running @ 454MHz
System Memory	Maximum up to 128MB DDR2-667
OS	Linux kernel 2.6.35 compliant
SSD	eMMC flash 4 GB SDHC interface
RTC	Battery on the Carrier is required
Power Requirement	+5V ± 5% @ 800mA
Size	70 x 70 mm
Board Thickness	1.2 mm ± 0.1mm
Operating Temperature	-40°C ~ 85°C
Operation Humidity	10% ~ 95%, non-condensing

I/O

Graphics	LCD supported, up to 24-bit TTL RGB modes and 24-bit system mode
Ethernet	Dual ports 10/100 Mbps Ethernet
Audio	Mic-in/Line-out on carrier board
COM	4 x COM ports 3 x TX/RX/RTS/CTS (2 RS232 and 1 RS-422/485), 1 x TX/RX 3.3V TTL
USB	1 OTG client, and 1 host
I ² C	2
GPIO	8 interface, up to 400 kbps
SPI	Yes
CAN	2 ports

Ordering Information

Standard	
Q7M100-287	Q7M100 with Freescale iMX-287 SoC, 128MB memory, 4 GB eMMC and 10/100Mbps Ethernet, audio and CAN
Optional	
Q7M100-100-EVK	Evaluation Kit Board

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

ARM Embedded Boards

Accessories

Appendix

