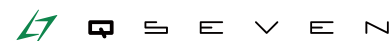


EmQ-v900



VIA Nano™ Qseven™ CPU Module



Features

- Soldered Onboard VIA Nano™ U3500 Processor
- Integrated Gigabit Ethernet
- Soldered Onboard 1GB DDR3 SDRAM
- Support Single Channel 24-bit LVDS, DisplayPort
- RAID 0,1 Supported
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Soldered onboard VIA Nano™ U3500 1.0GHz processor
Memory	Soldered onboard 1GB DDR3 SDRAM
Chipset	VIA VX900
BIOS	AMI PnP Flash BIOS
Watchdog Timer	1~255 levels reset

I/O

USB Port	8 x USB 2.0 host ports, port1 can be set as USB 2.0 client port
Expansion Bus	2 x PCIe x1 Gen. 2 lanes LPC interface
Storage	2 x Serial ATA ports with 300MB/s HDD transfer rate RAID 0, 1 supported 8-bit SDIO supported
Ethernet Chipset	1 x Realtek RTL8111 GbE controller
Audio	HD Audio Link

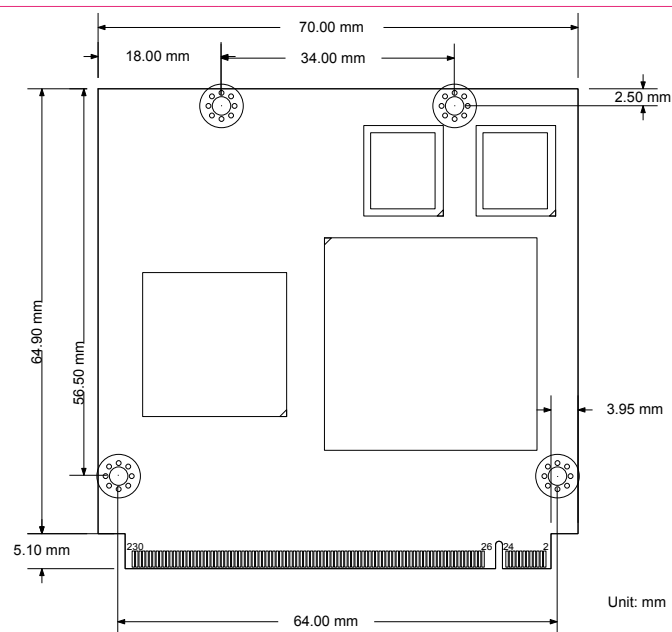
Display

Graphics Chipset	Integrated Chrome9™ HD DX9 controller
Graphics Interface	LCD: Single Channel 24-bit LVDS, resolution up to 1366 x 768 DisplayPort

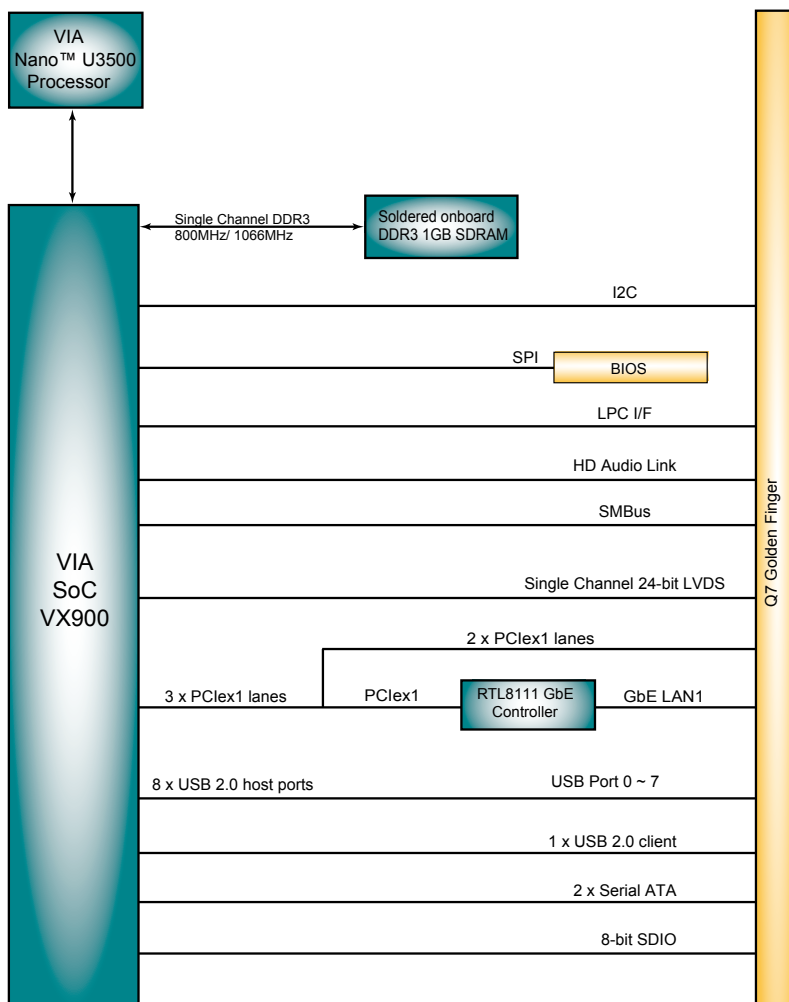
Mechanical & Environmental

Power Requirement	+5V, 5VSB
Power Consumption	1.55A@+12V (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	70 x 70 mm (2.76" x 2.76")

Dimensions



Block Diagram



Ordering Information

EmQ-v900 VIA Nano™ U3500 1.0GHz Q_{seven}™ CPU module

Optional Accessories

HS-v900-F1 Heat spreader (69.3x67x6mm)

HS-0000-W3 Universal evaluation heatsink kit for Qseven CPU module (70x70x30mm)

PBQ-3000 Q_{seven}™ EPIC carrier board

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CBK-06-3000-00 Cable kit

- 1 x USB cable
- 1 x USB2 cable
- 2 x COM port cables
- 1 x SATA cable
- 1 x SATA power cable