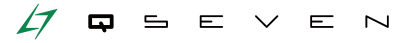


# EmQ-v900



## 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

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

### I/O

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

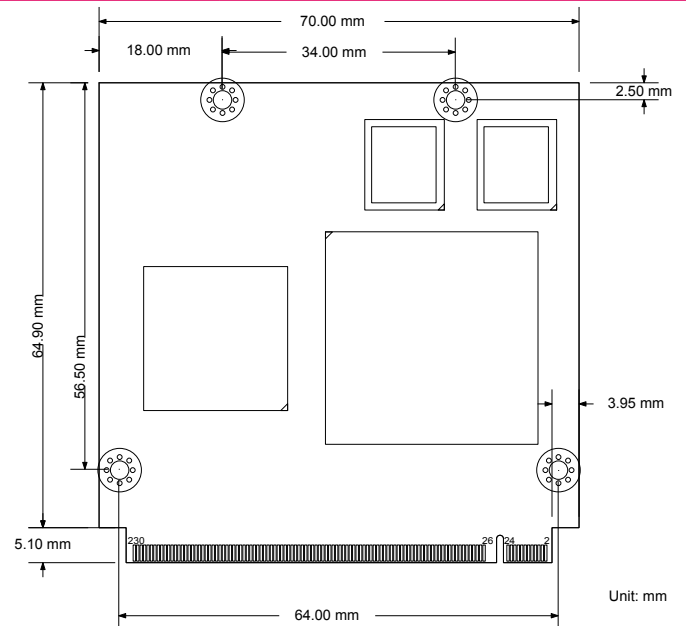
### Display

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

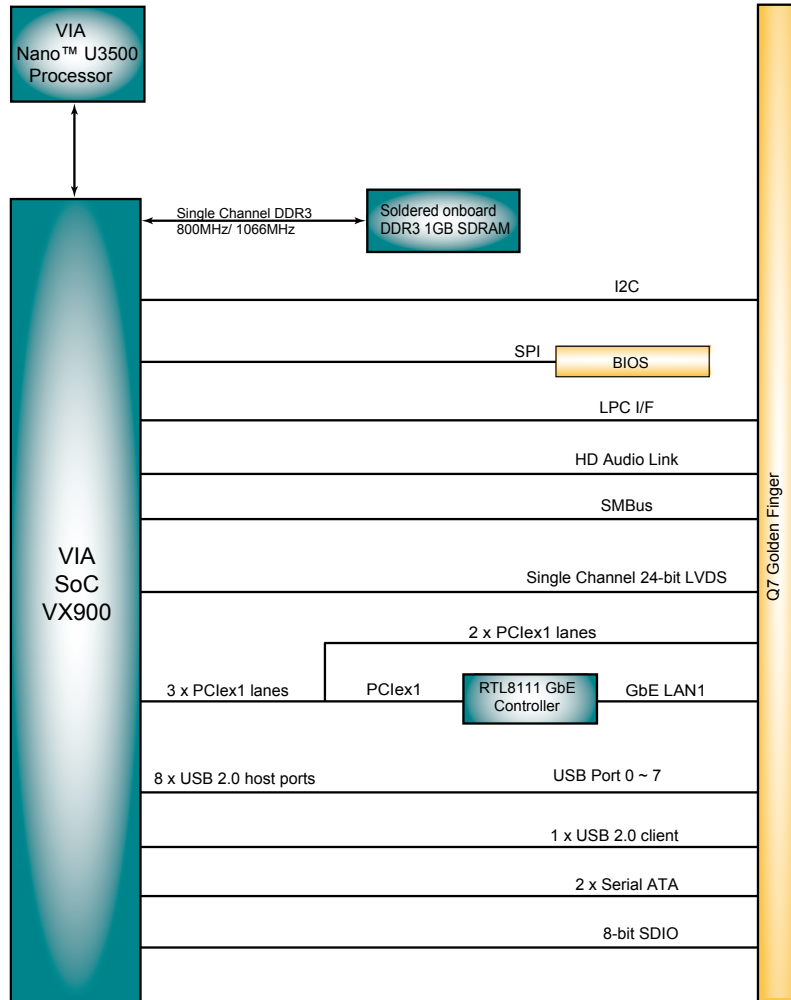
### Mechanical & Environmental

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

### Dimensions



## Block Diagram



## Ordering Information

**EmQ-v900** VIA Nano™ U3500 1.0GHz Q<sub>seven</sub>™ 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<sub>seven</sub>™ 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