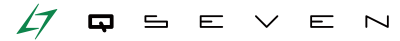
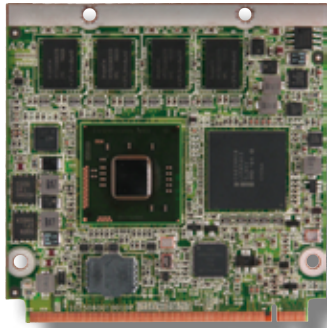


# EmQ-i2506



## Intel® Atom™ N2600 Qseven™ CPU Module



### Features

- **Fanless Design**
- Soldered Onboard Intel® Atom™ N2600 Processor
- Integrated Gigabit Ethernet
- Single Channel 18-bit LVDS, Analog RGB, DDI Port
- **Extended Operating Temp.: -20 ~ 70°C**

### System

<b>CPU</b>	Soldered onboard Intel® Atom™ N2600 1.6GHz processor
<b>Memory</b>	Soldered onboard 2GB DDR3 SDRAM
<b>Chipset</b>	Intel® PCH NM10
<b>BIOS</b>	AMI UEFI BIOS
<b>Watchdog Timer</b>	1~255 levels reset

### I/O

<b>USB Port</b>	8 x USB 2.0 ports
<b>Expansion Bus</b>	3 x PCIe x1 lanes LPC (Low Pin Count) interface
<b>Storage</b>	2 x Serial ATA ports with 300MB/s HDD transfer rate
<b>Ethernet Chipset</b>	1 x Intel® 82583V PCIe GbE controller
<b>Audio</b>	HD Audio Link

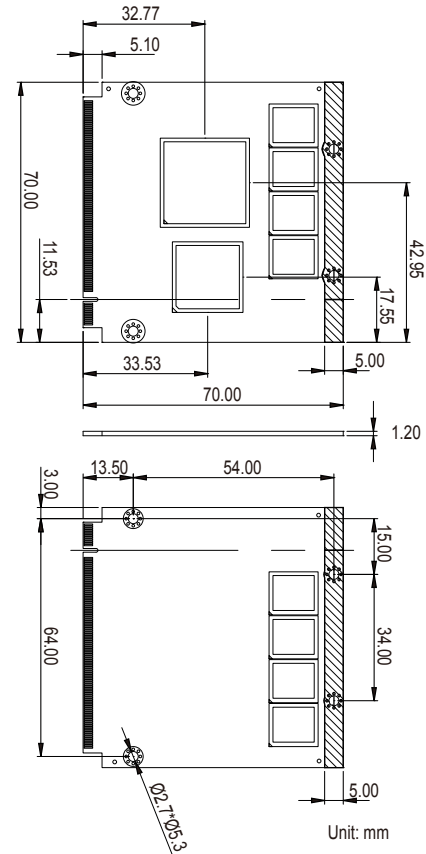
### Display

<b>Graphics Chipset</b>	Integrated Intel® Graphics Media Accelerator 3600 LCD: Single Channel 18-bit LVDS, resolution up to 1366x768
<b>Graphics Interface</b>	Support Analog RGB signals (via Qseven GF reserved pin) 1 x DDI port

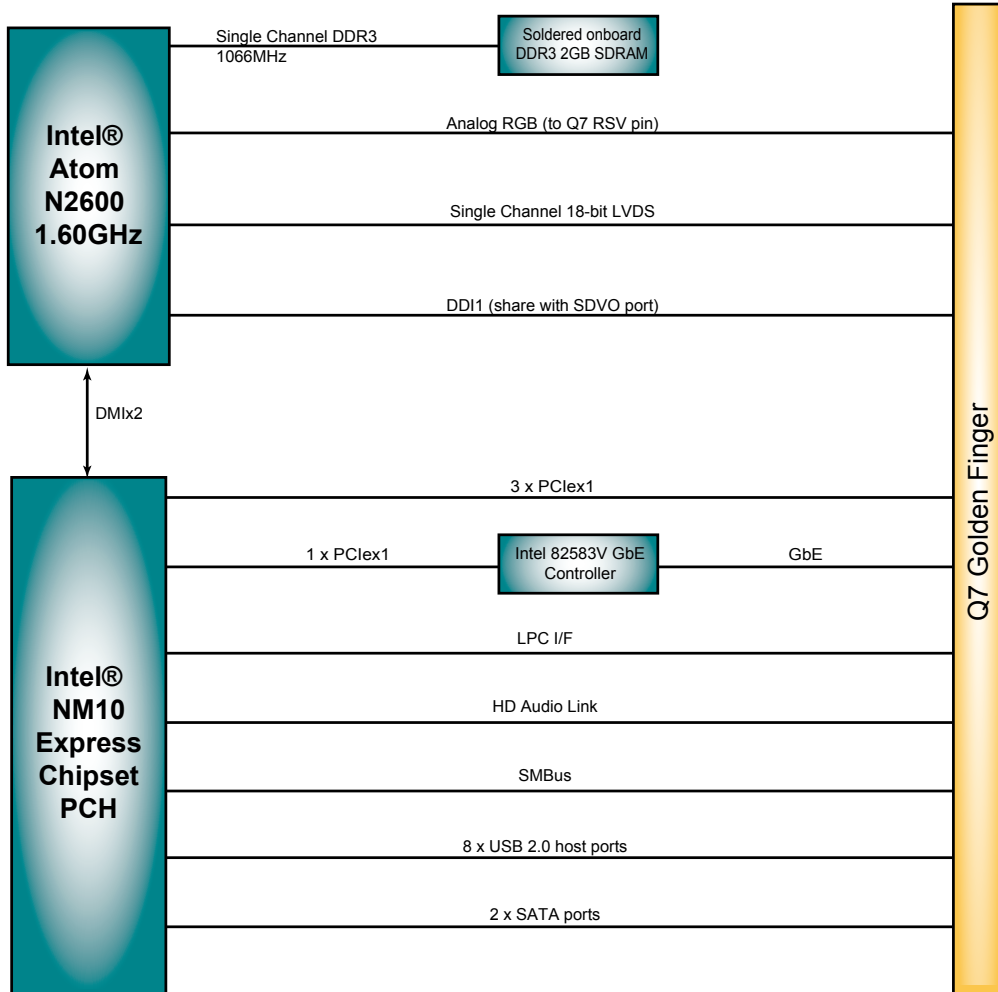
### Mechanical & Environmental

<b>Power Requirement</b>	5V, 5VSB
<b>Power Consumption</b>	1.26A@+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-i2506** Intel® Atom™ N2600 1.6GHz Qseven™ CPU module

**StarterKit-003-2506** Qseven™ Starter Kit for EmQ-i2506

## Optional Accessories

**HS-2506-F1** Heat spreader (70.0x65.0x8.0mm)

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

**PBQ-3000** Qseven™ EPIC evaluation board

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**CBK-06-3000-00** Cable kit

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

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