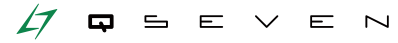
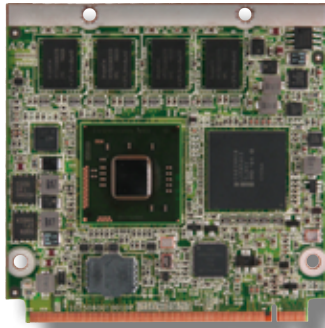


EmQ-i2506



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

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

I/O

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

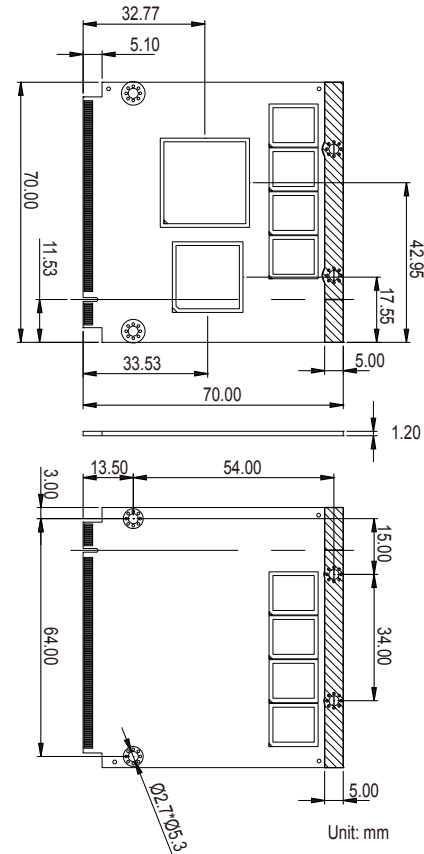
Display

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

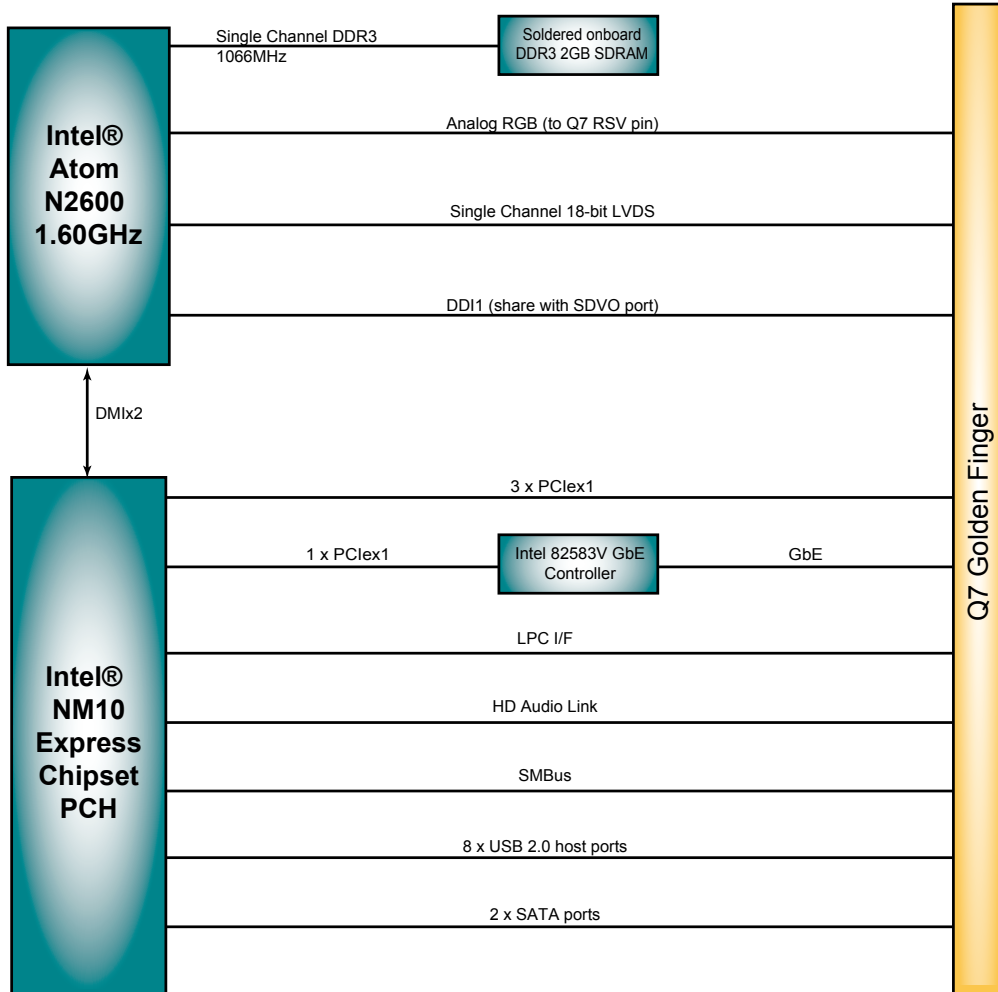
Mechanical & Environmental

| | |
|---------------------------|----------------------------------|
| Power Requirement | 5V, 5VSB |
| Power Consumption | 1.26A@+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-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