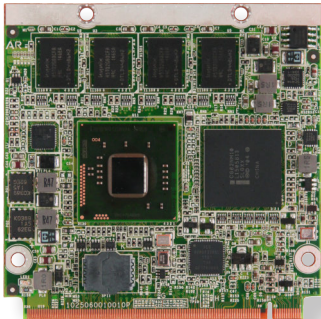


EmQ-i2506



Intel® Atom™ Processor N2600 Qseven® CPU Module



Features

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

System

CPU	Soldered onboard Intel® Atom™ Processor N2600 dual-core 1.6GHz
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

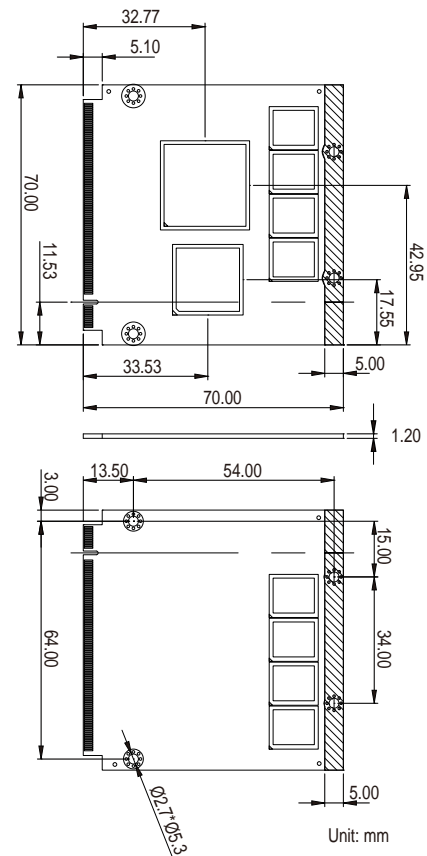
Display

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

Mechanical & Environmental

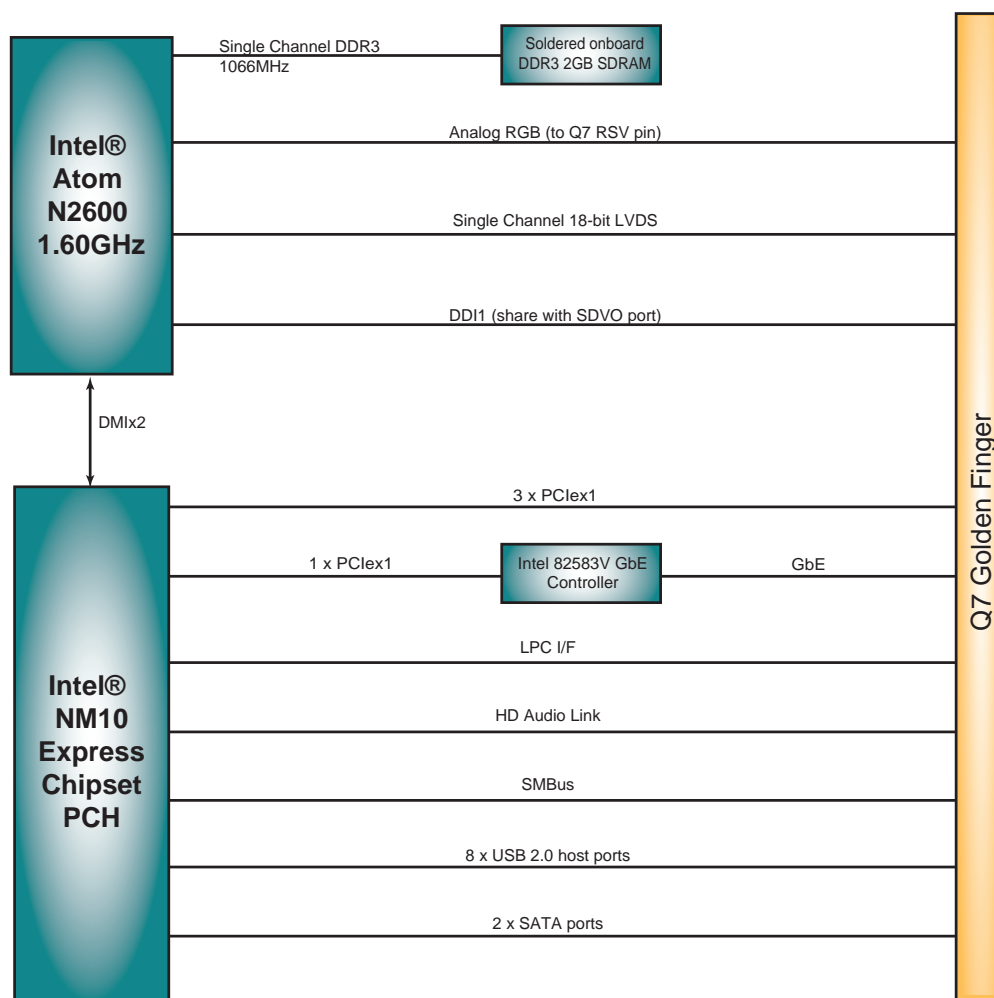
Power Requirement	5V, 5VSB
Power Consumption	1.26A@+12V (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions (L x W)	70 x 70 mm (2.76" x 2.76")

Dimensions





Block Diagram



Ordering Information

EmQ-i2506 Intel® Atom™ Processor N2600 1.6GHz Qseven® CPU module

Optional Accessories

StarterKit-003-2506 Qseven® starter kit for EmQ-i2506

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

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