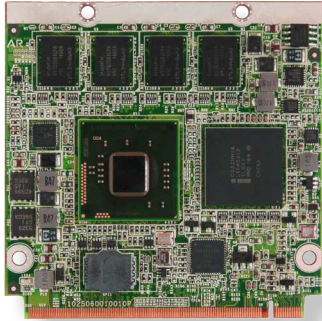


EmQ-i2506

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 and DDI Port
- **Extended Operating Temp.: -20 ~ 70°C**

System

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

I/O

USB 2.0	8 x USB 2.0 host (1 x configurable as client)
Expansion	3 x PCIe1, LPC
Storage	2 x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82583V PCIe GbE controller
Audio	HD link

Display

Graphic Chipset	Integrated Intel® GMA 3600
Graphic Interface	Analog RGB/DVI: Analog RGB (via RSV pin) LCD: Single Channel 18-bit LVDS, with resolution up to 1366x768 DDI port: 1 x DDI port

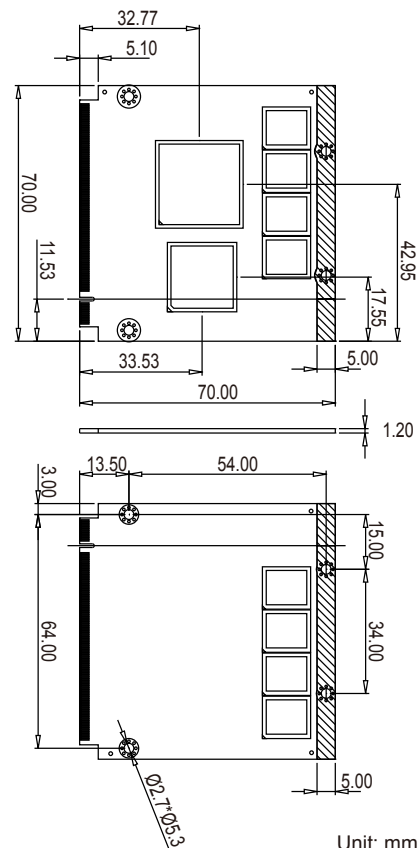
OS Support

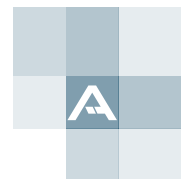
Windows XP
Windows 7
Linux: Ubuntu

Mechanical & Environmental

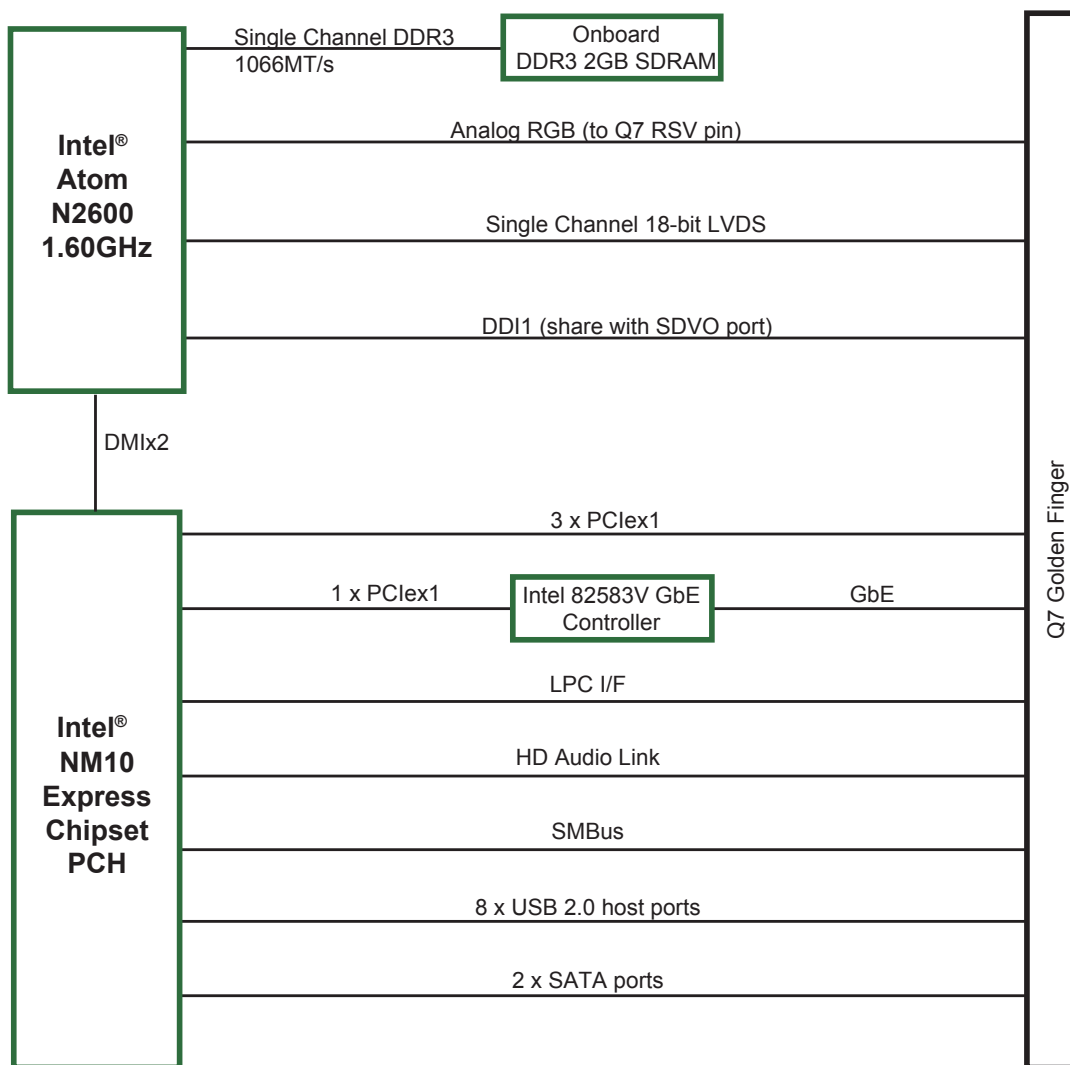
Power Requirement	5V, 5VSB
Power Consumption	1.26A@12V (Typical, with PBQ-3000)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	70 x 70 mm (2.76" x 2.76")

Dimensions





Block Diagram



Ordering Information

EmQ-i2506 Intel® Atom™ Processor N2600/ NM10 Qseven® CPU module with 2GB memory soldered on CPU module

Optional Accessories

HS-2506-F1 Heat spreader 70x67x8 mm

HS-0000-W3 Universal evaluation heat sink kit with thermal pad 70x65x29.8mm, only used on a flat-type heat spreader

PBQ-3000 Qseven® R1.2 carrier board in EPIC form factor

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