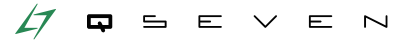
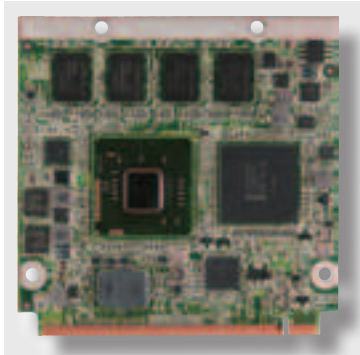


QSM-653E



Wide-Range Temperature 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
- **Wide Range Operating Temp.: -40 ~ 85°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, one of the ports can be set as USB Client
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

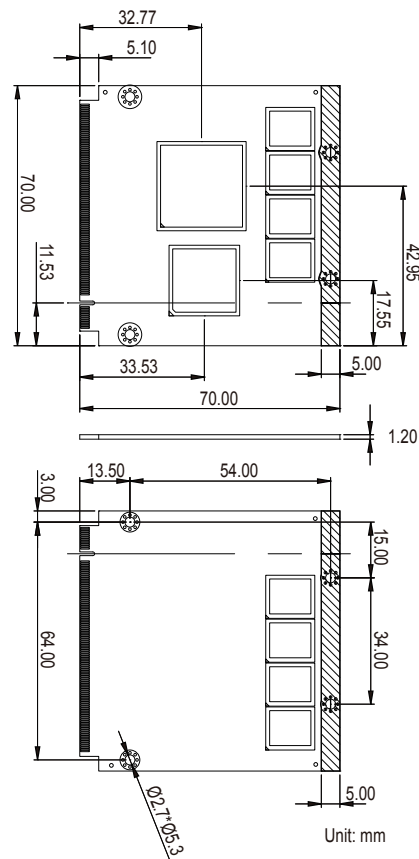
Display

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

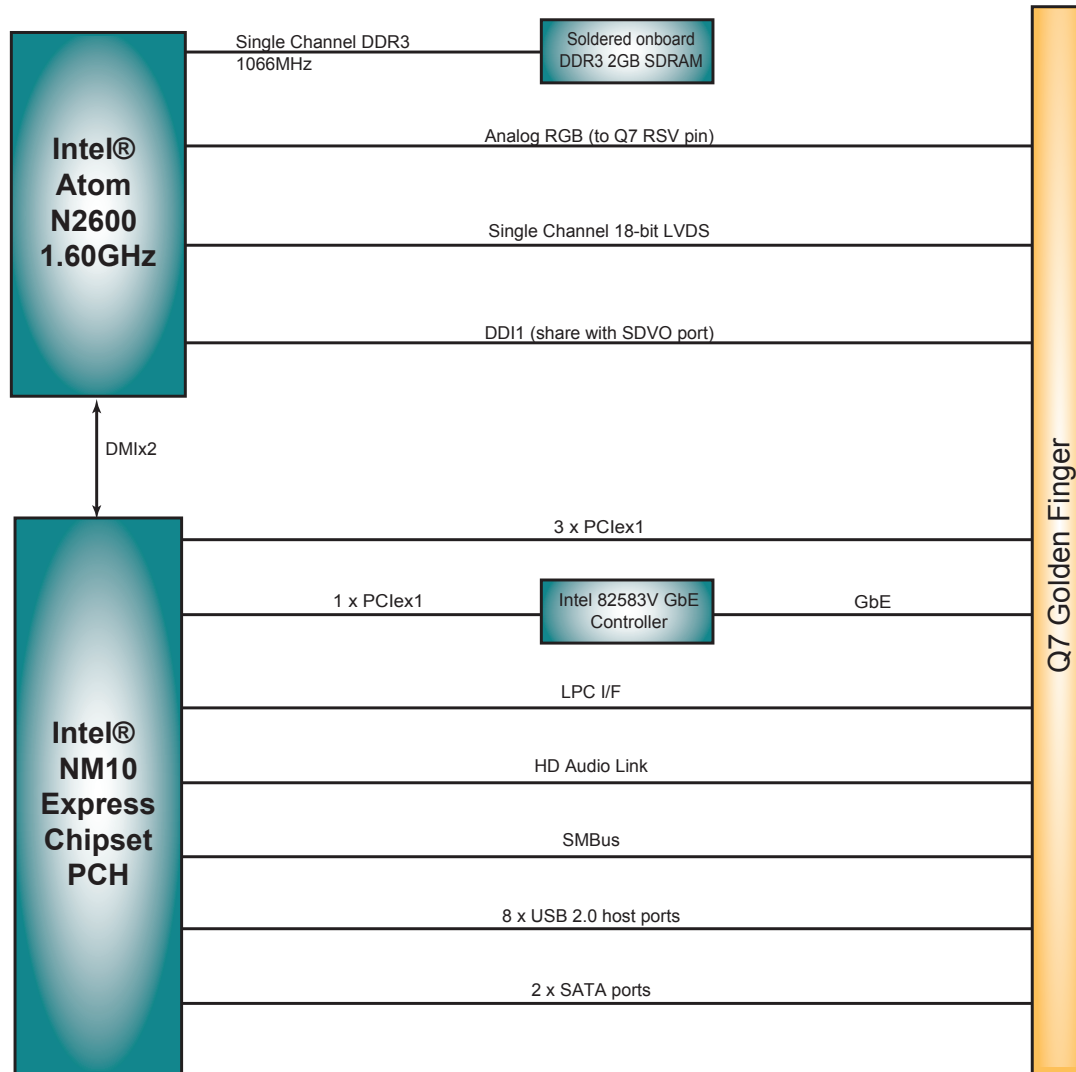
Mechanical & Environmental

Power Requirement	5V, 5VSB
Power Consumption	1.26A@+12V (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	70 x 70 mm (2.76" x 2.76")

Dimensions



Block Diagram



Ordering Information

QSM-653E Intel® Atom™ N2600 1.6GHz WT Qseven™ CPU module

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

See page 62

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