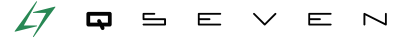
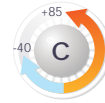
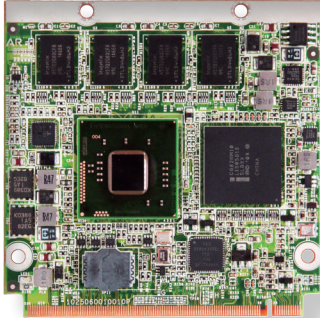


QSM-653E



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

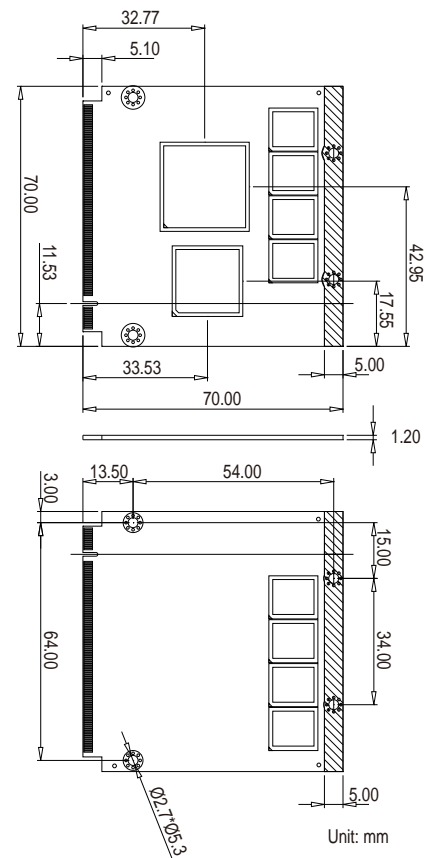
Display

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

Mechanical & Environmental

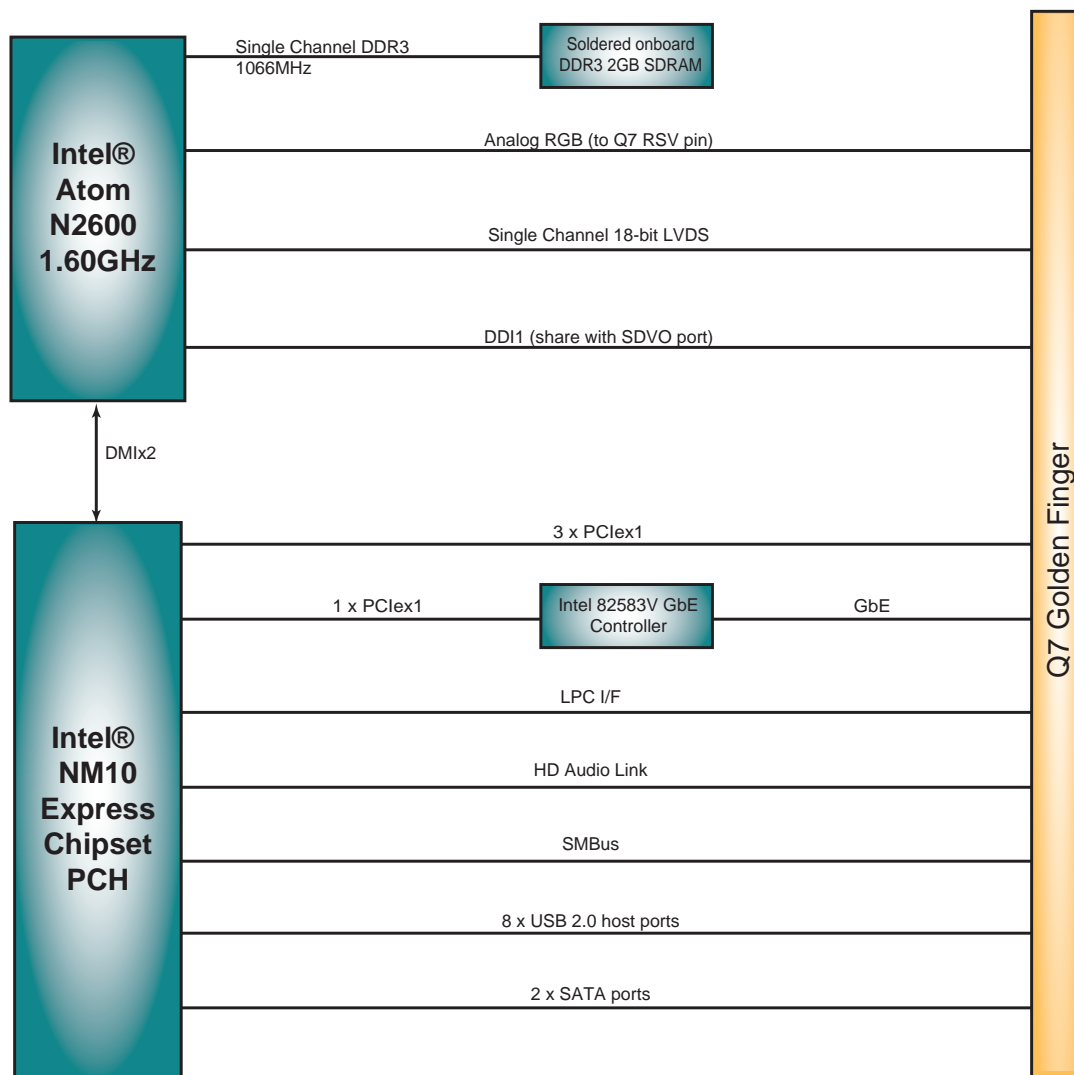
Power Requirement	5V, 5VSB
Power Consumption	1.26A@+12V (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	70 x 70 mm (2.76" x 2.76")

Dimensions





Block Diagram



Ordering Information

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