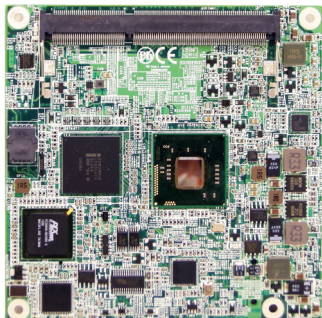


COM-656E



Wide-Range Temperature Intel® Atom™ Processor D2550 COM Express® Compact Type 6 CPU Module



Features

- **Fanless Design**
- Soldered onboard Intel® Atom™ Processor D2550
- Integrated Gigabit Ethernet
- Single Channel 24-bit LVDS, Analog RGB and 2 x DDI Ports
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System

Processor	Soldered onboard Intel® Atom™ Processor D2550 1.86GHz
Chipset	Intel® PCH NM10
Memory	1 x DDR3 SO-DIMM socket, supporting up to 4GB 1067MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB 2.0	8 x USB 2.0 ports
Expansion	6 x PClex1, LPC
Storage	2 x Serial ATA port with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82583V PCIe GbE controller
Digital I/O	8-bit Programmable
Audio	HD link
TPM Function	TPM supported (OEM request)

Display

Graphic Chipset	Integrated Intel® GMA 3650
Graphic Interface	Analog RGB/DVI: Analog RGB supported LCD: Single Channel 24-bit LVDS DDI port: 2 x DDI port

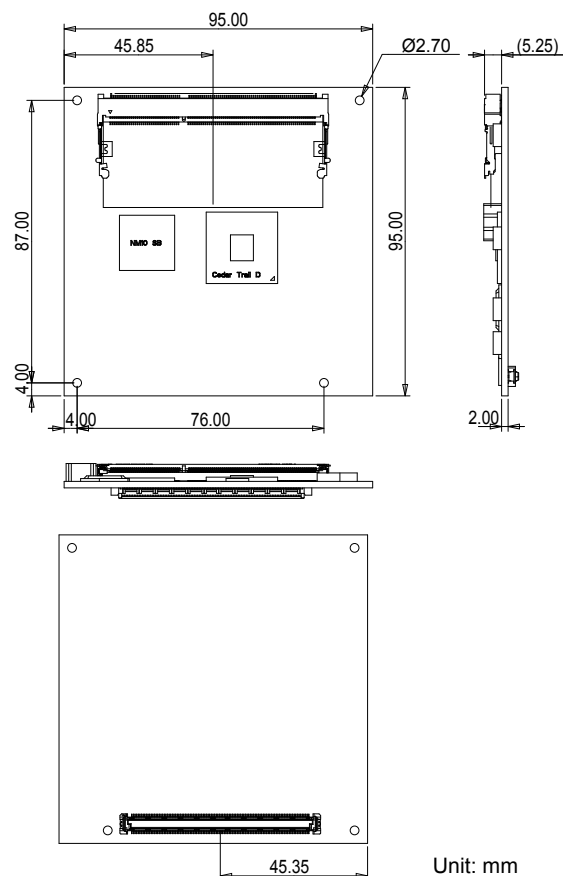
OS Support

Windows XP
Windows 7
Linux: Ubuntu

Mechanical & Environmental

Power Requirement	DC 12V, 5VSB
Power Consumption	1.37A@12V (Typical, with PBE-1702)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	95 x 95 mm (3.7" x 3.7")

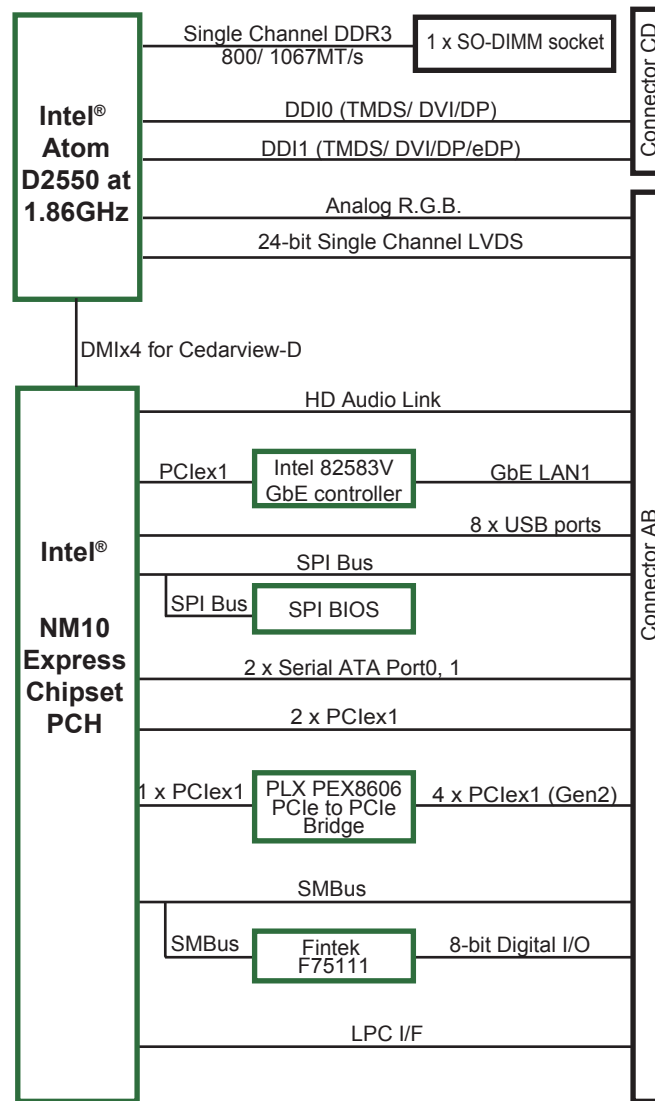
Dimensions



Unit: mm



Block Diagram



Ordering Information

COM-656E	Intel® Atom™ processor D2550 1.86GHz WT COM Express Compact CPU module
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Optional Accessories

HS-250C-F2	Heat spreader (95x95x11mm)
HS-0000-W1	Heatsink wave type (95x95x23.2mm)
PBE-1702	COM Express® Type 6 evaluation carrier board in ATX form factor
CBK-04-1702-00	Cable kit 1 x USB cable 2 x COM port cables 1 x SATA cable