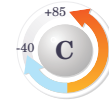


COM-652E



Wide-Range Temperature Intel® Atom™ Processor N2600/D2550 COM Express® Compact Type 2 CPU Module



Features

- **Fanless Design**
- Soldered onboard Intel® Atom™ Processor N2600 / D2550
- Integrated Gigabit Ethernet
- Single Channel 18-bit N2600/ 24-bit D2550 LVDS and Analog RGB
- Dual Independent Displays supported
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Atom™ Processor N2600 dual-core 1.6GHz/ D2550 dual-core 1.86GHz
Memory	1 x DDR3 SO-DIMM socket, supporting 1066MHz SDRAM up to 4GB (D2550)/ 2GB (N2600)
Chipset	Intel® PCH NM10
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB Port	8 x USB 2.0 ports
Digital I/O	8-bit programmable Digital Input/Output
Expansion Bus	2 x PCIe x1 lanes
	4 x PCI masters
Storage	SPI and LPC (Low Pin Count) interfaces 2 x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82583V PCIe GbE controller
Audio	HD Audio link

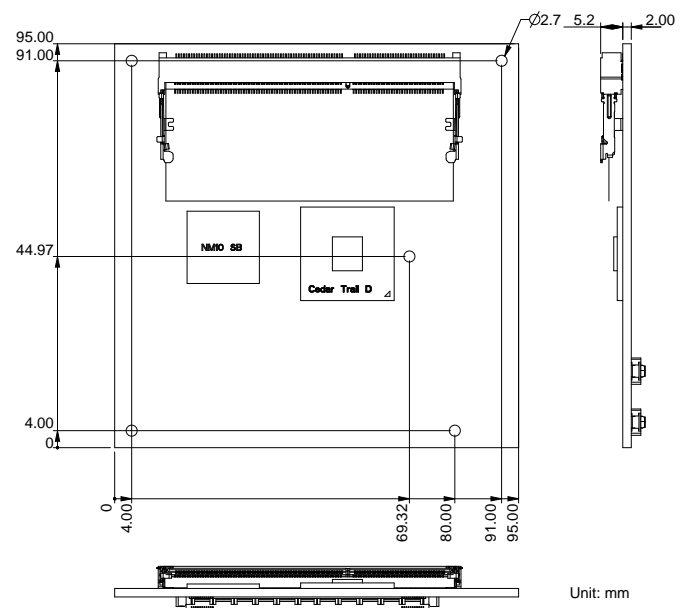
Display

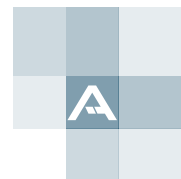
Graphic Chipset	Integrated Intel® Graphics Media Accelerator 3650 (Gfx frequency 640 MHz) for D2550 Processor
	Integrated Intel® Graphics Media Accelerator 3600 (Gfx frequency 400 MHz) for N2600 Processor
Graphic Interface	Analog RGB supported
	LCD:
	- Single Channel 18-bit LVDS for N2600
	- Single Channel 24-bit LVDS for D2550
	Dual independent displays supported

Mechanical & Environmental

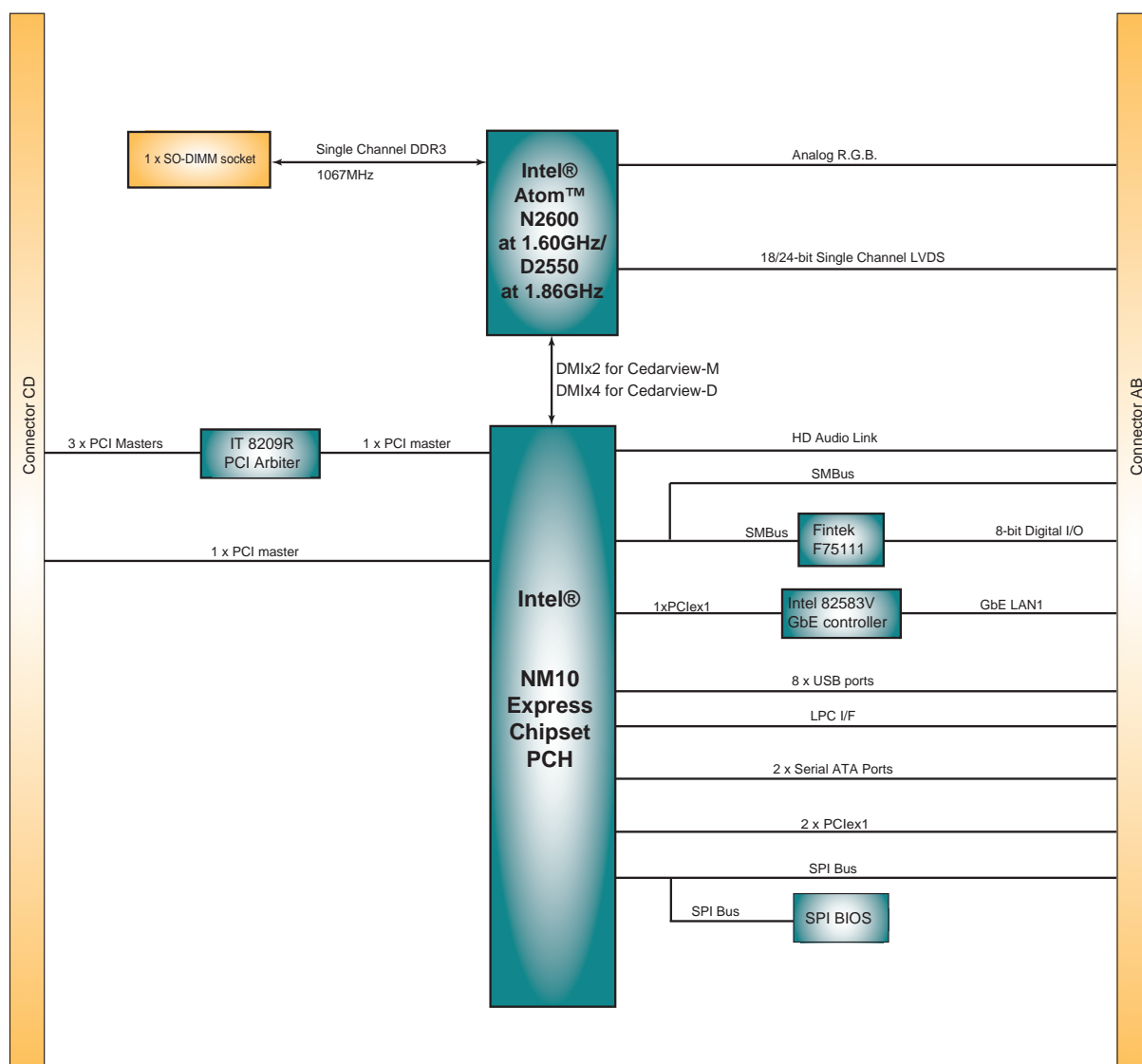
Power Requirement	+12V, 5VSB
Power Consumption	0.95A@+12V (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	95 x 95 mm (3.7" x 3.7")

Dimensions





Block Diagram



Ordering Information

COM-652E-N26	Intel® Atom™ Processor N2600 1.6GHz WT COM Express® Compact CPU module
COM-652E-D25	Intel® Atom™ Processor D2550 1.86GHz WT COM Express® Compact CPU module

Optional Accessories

HS-250C-F2	Heat spreader (95x95x8mm)
HS-0000-W4	Universal evaluation heatsink kit with thermal pad (dimension: 125x95x22mm, only used on a flat type heat spreader)
PBE-1700-F R1.3	COM Express® Type 2 evaluation board in ATX form factor with F71869 Super IO
CBK-04-1700-00	Cable kit 1 x SATA cable 1 x COM-port cable 1 x FDD cable 1 x IDE cable