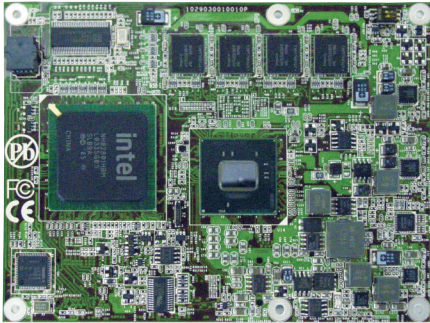


COM-746E



Wide-Range Temperature Intel® Atom™ Processor N455 COM Express® Basic Type 2 CPU Module



Features

- **Fanless Design**
- Soldered onboard Intel® Atom™ Processor N455
- Soldered onboard DDR3 2GB Memory
- Integrated Gigabit Ethernet
- Both LVDS and Analog RGB Output supported
- Dual Independent Displays supported
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Atom™ Processor N455 1.66GHz
Memory	Soldered onboard DDR3 2GB SDRAM
Chipset	Intel® ICH8M
BIOS	AMI PnP Flash 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	5 x PCIe x1 lanes
	4 x PCI masters
Storage	LPC (Low Pin Count) interface
	1 x Ultra ATA, supporting 2 IDE devices
Ethernet Chipset	3 x Serial ATA ports with 300MB/s HDD transfer rate
	1 x Intel® 82574IT PCIe Gigabit Ethernet controller
Audio	HD Audio link

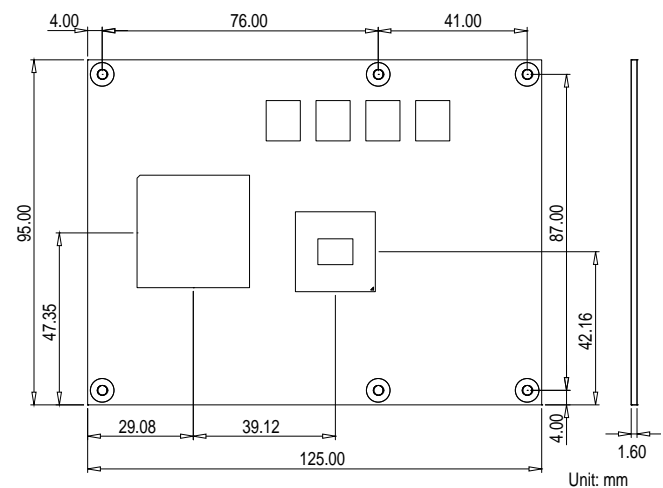
Display

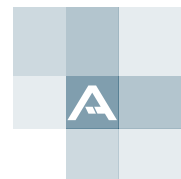
Graphic Chipset	Integrated Intel® Graphics Media Accelerator 3150
Graphic Interface	Analog RGB that supports up to 1400 x 1050 @60Hz
	Single channel 18-bit LVDS that supports up to 1280 x 800 or 1366 x 768
	Dual independent displays supported

Mechanical & Environmental

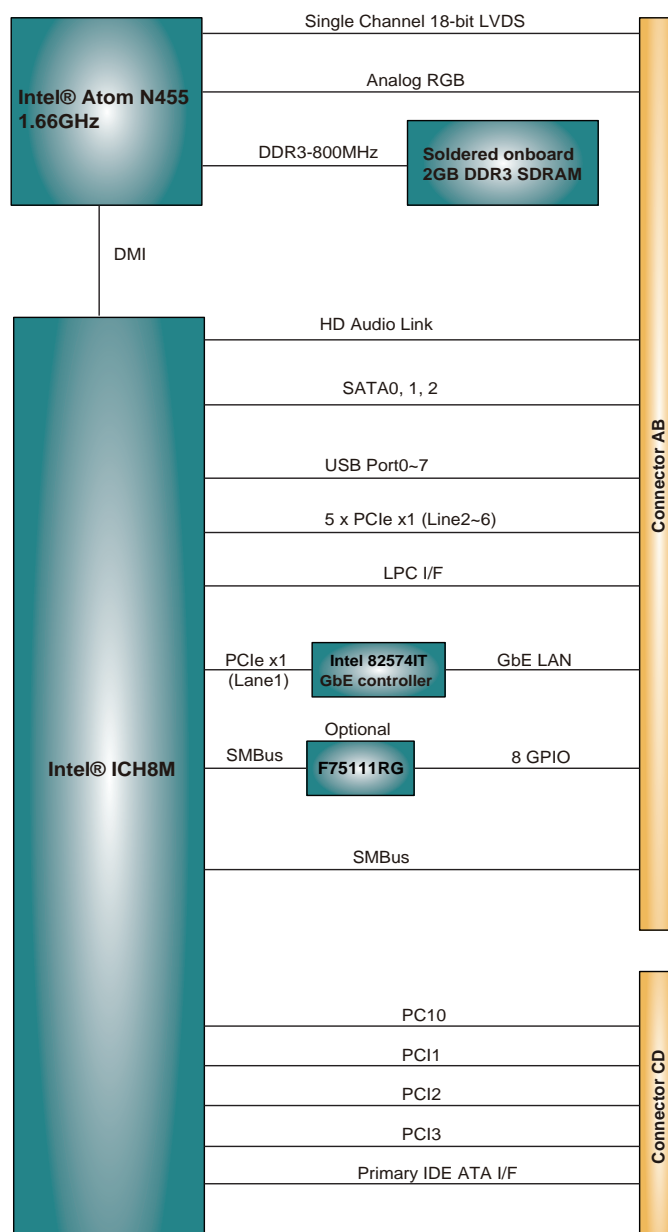
Power Requirement	+12V, 5VSB
Power Consumption	1.05A@+12V (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	125 x 95 mm (4.9" x 3.7")

Dimensions





Block Diagram



Ordering Information

COM-746E	Intel® Atom™ Processor N455 COM Express® CPU module
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Optional Accessories

HS-0746-F2	Heat spreader (95 x 125 x 111 mm)
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PBE-1700-W R1.3	COM Express® Type 2 evaluation board in ATX form factor with W83627 Super IO
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CBK-04-1700-00	Cable kit 1 x SATA cable 1 x COM-port cable 1 x FDD cable 1 x IDE cable
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