

# EmETXe-i9455

## Intel® Core™ 2 Duo COM Express Basic Type 2 CPU Module



### Features

- Support Intel® Socket M Mobile Processors
- Integrated Gigabit Ethernet
- Dual Channels 24-bit LVDS, and Analog RGB
- **Extended Operating Temp.: -20 ~ 70°C**

### System

<b>CPU</b>	Intel® Core™ 2 Duo/Core™ Duo/Celeron® M processor, supporting FSB up to 667MHz
<b>Memory</b>	1 x 200-pin DDR2 SO-DIMM socket, supporting 400/533/667MHz SDRAM up to 2GB
<b>Chipset</b>	Intel® 945GME + ICH7M
<b>BIOS</b>	Phoenix-Award PnP Flash BIOS

### I/O

<b>USB Port</b>	8 x USB 2.0 ports
<b>Digital I/O</b>	8-bit programmable Digital Input/Output
<b>Expansion Bus</b>	3 x PCIe x1 lanes 1 x PCIe x16 lanes 4 x PCI masters LPC (Low Pin Count) interface
<b>Storage</b>	1 x Ultra ATA, supporting 2 IDE devices 2 x Serial ATA ports with 150MB/s HDD transfer rate
<b>Ethernet Chipset</b>	1 x Realtek RTL8111 PCIe GbE controller
<b>Audio</b>	HD Audio Link

### Display

<b>Graphics Chipset</b>	Integrated Intel® Graphics Media Accelerator 950
<b>Graphics Interface</b>	Analog RGB supports resolution up to 2048 x 1536 @60Hz LCD: Dual Channels 24-bit LVDS

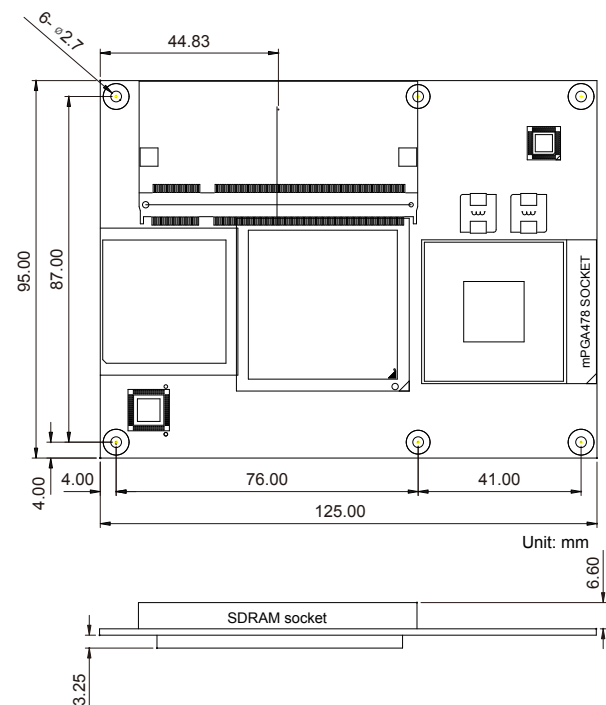
### Mechanical & Environmental

<b>Power Requirement</b>	+12V, 5VSB
<b>Power Consumption</b>	2.66A@+12V with Intel® Core™ Duo T2400 1.83GHz (Typical)
<b>Operating Temp.</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	10 ~ 95% @ 70°C (non-condensing)
<b>Dimension(L x W)</b>	125 x 95 mm (4.9" x 3.7")

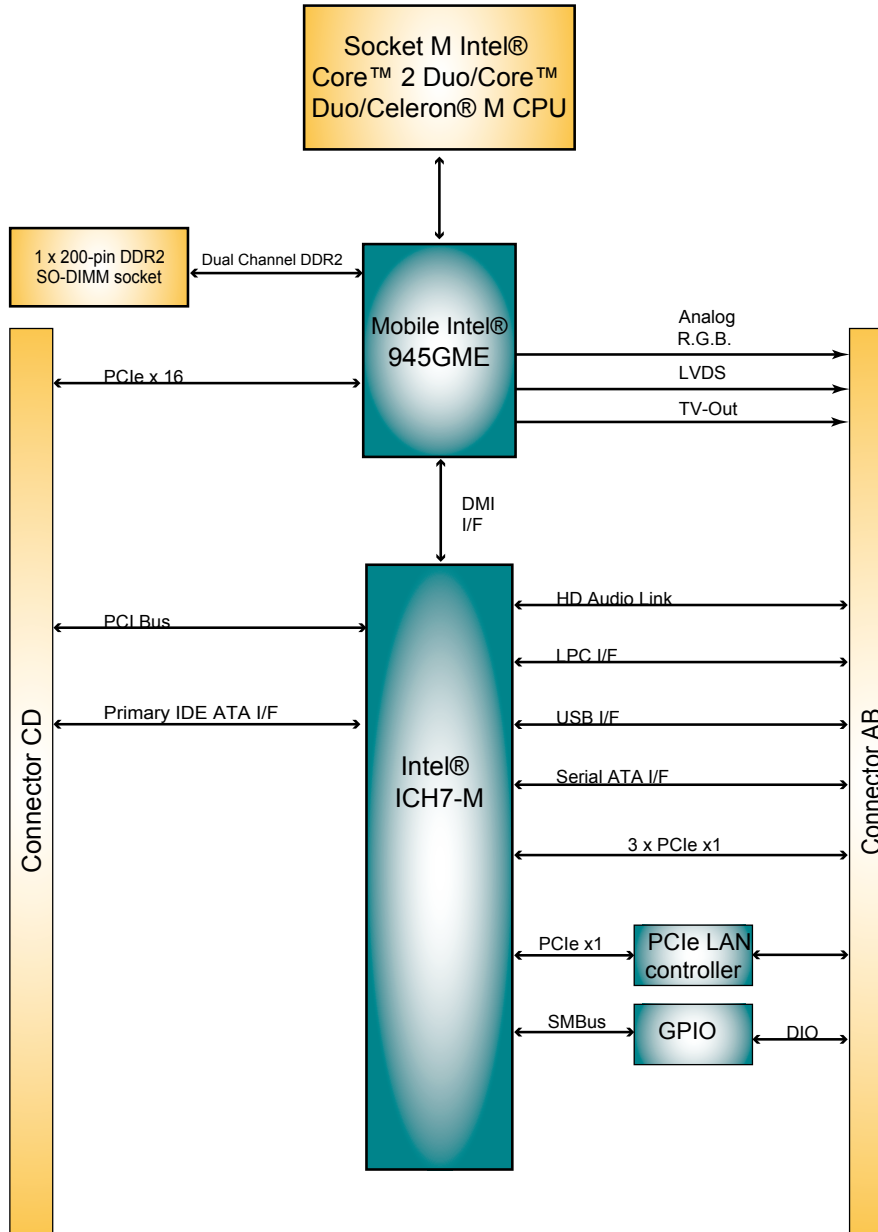
#### Recommended CPU List:

T7400 2.16GHz Core™ 2 Duo Processor  
T2500 2.0GHz Core™ 2 Duo Processor  
530 1.73GHz Celeron® Processor  
440 1.86GHz Celeron® M Processor

### Dimensions



## Block Diagram



## Ordering Information

**EmETXe-i9455** Socket M Intel® Core™ 2 Duo/Core™ Duo/Celeron® M COM Express CPU module

## Optional Accessories

**HS-9455-C2** Heatsink w/ fan for socket type CPU module (125 x 96 x 23 mm)

**HS-9455-C3** Heatsink w/ fan for socket type CPU module (125 x 96 x 39 mm)

**PBE-1700-W R1.3** COM Express type 2 evaluation board in ATX form factor w/ 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