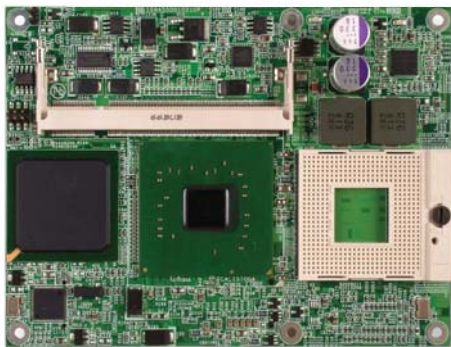




# COM-830E

Intel Core™ Duo/Core™ 2 Duo/Celeron M COM Express CPU Module with CRT/LCD, GbE LAN and PCI Express Lanes



## ◀ New!! COM Express

### Features

- **COM Express Type II Core Module**
- Intel Core™ Duo/Core™ 2 Duo/Celeron M Processor FSB533/667MHz
- DDRII 400/533/667MHz SO-DIMM up to 2GB
- Dual Channels 24-bit LVDS
- Realtek 8111B PCIe 10/100/1000 Base-T Ethernet
- 2 x SATA, 8 x USB 2.0 and 2 x Serial Ports
- 3 x PCIe x1 Lane, 1 x PCIe x16 Lanes, 4 x PCI Master
- **Wide Range Operating Temp.: -40 ~ 85°C**

## System

<b>CPU</b>	Support Intel Core™ Duo/Core™2 Duo processor with 667MHz FSB Support Intel Celeron M processor with 533MHz FSB
<b>Memory</b>	1 x 200-pin DDRII SO-DIMM 400/533/667MHz up to 2GB
<b>Chipset</b>	Intel 945GME + ICH7M
<b>BIOS</b>	Phoenix-Award PnP Flash BIOS
<b>ATA/IDE</b>	2 x Serial ATA ports with 150MB/s HDD transfer rate 1 x Ultra ATA 100/66/33 port, support 2 IDE devices
<b>Watchdog Timer</b>	255-level reset

## I/O

<b>Serial Port</b>	2 x RS-232 ports (via PBE-1700)
<b>Parallel Port</b>	SPP/EPP/ECP mode (via PBE-1700)
<b>Floppy</b>	1 x Floppy disk drive (via PBE-1700)
<b>USB Port</b>	8 x USB 2.0 ports
<b>KB/MS</b>	PS/2 Keyboard and Mouse (via PBE-1700)
<b>Expansion Bus</b>	3 x PCIe x1 lane 1 x PCIe x16 lanes 4 x PCI master

## Ethernet

<b>Chipset</b>	1 x Realtek 8111B PCIe 10/100/1000 base-T Ethernet
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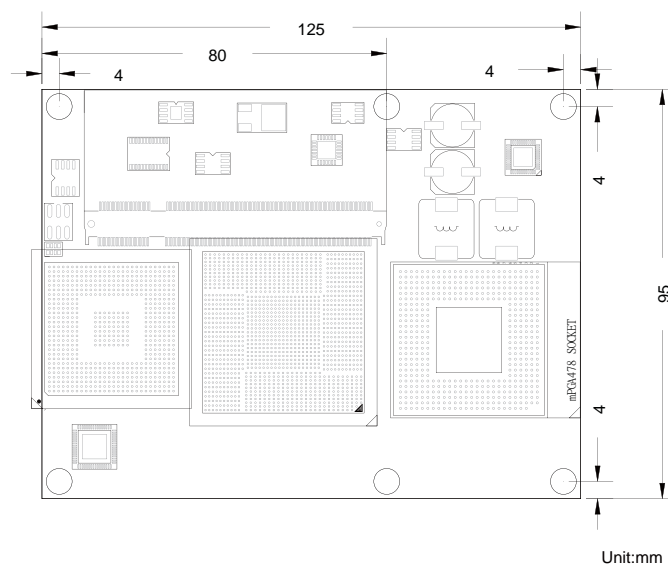
## Display

<b>Graphics Chipset</b>	Integrated with Intel® Graphics Media Accelerator (GMA950)
<b>Graphics Interface</b>	CRT support up to 2048 x 1536 LCD support dual channels 24-bit LVDS

## Mechanical & Environmental

<b>Power Consumption</b>	0.53A/5V, 2.66A/12V (Max.) (T2400 1.83GHz)
<b>Operating Temp.</b>	-40 ~ 85°C (-40 ~ 185°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimensions (L x W)</b>	125 x 95 mm (4.9" x 3.7")

## Dimensions



Unit:mm

## Ordering Information

<b>COM-830E</b>	Intel Socket 478 Core™ Duo/Core™ 2 Duo/Celeron M CPU
<b>PBE-1700</b>	COM Express evaluation board in ATX form factor Page 1-14
<b>HS-9455-W1</b>	Heatsink w/fan (125 x 96 x 33 mm) for socket type CPU module Page 6-5

All specifications are subject to change without notice.