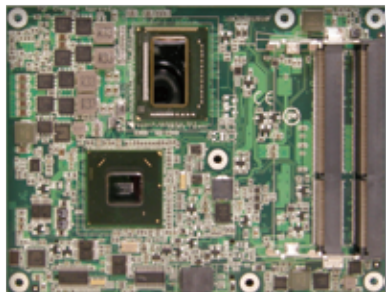


# COM-880E



## Wide-Range Temperature Intel® 3rd Gen. Core™ COM Express Basic Type 6 CPU Module



### Features

- Soldered Onboard 3rd Gen. Intel® Core™ i7-3517UE Processor
- Integrated Gigabit Ethernet
- Dual Channels 24-bit LVDS, Analog RGB, and 3 x DDI Ports
- Support 3 Independent Displays
- RAID 0, 1, 5, 10 Supported
- **Extended Operating Temp.: -40 ~ 85°C**

### System

<b>CPU</b>	Intel® Core™ i7-3517UE 1.7GHz processor
<b>Memory</b>	2 x DDR3 SO-DIMM sockets, supporting SDRAM up to 16GB
<b>Chipset</b>	Intel® PCH QM77
<b>BIOS</b>	AMI UEFI BIOS
<b>Watchdog Timer</b>	1~255 levels reset

### I/O

<b>USB Port</b>	12 x USB ports: - 8 x USB 2.0 ports - 4 x USB 3.0 ports
<b>Digital I/O</b>	8-bit programmable Digital Input/Output

<b>Expansion Bus</b>	1 x PCIe x16 Gen3 lanes 7 x PCIe x1 Gen2 lanes SPI and LPC (Low Pin Count) interfaces
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<b>Storage</b>	4 x Serial ATA ports: - 2 ports with 600MB/s HDD transfer rate - 2 ports with 300MB/s HDD transfer rate SATA RAID 0, 1, 5, 10 supported
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<b>Ethernet Chipset</b>	1 x Intel® 82579LM PCIe GbE PHY
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<b>Audio</b>	HD Audio Link
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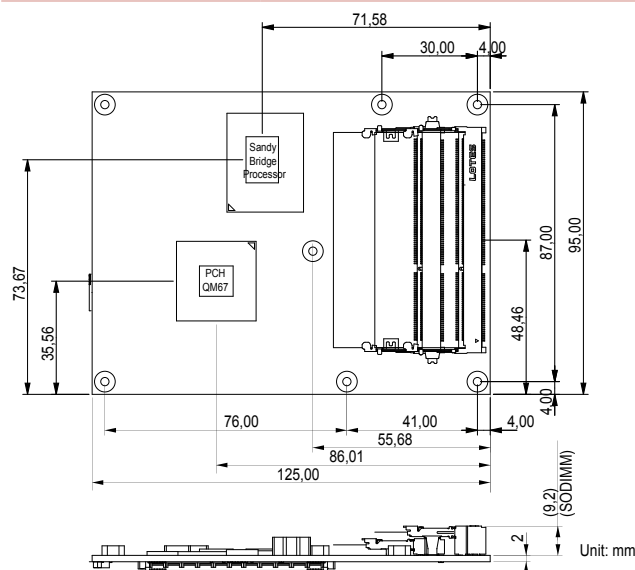
### Display

<b>Graphics Chipset</b>	Integrated Intel® HD Graphics 4000
<b>Graphics Interface</b>	Analog RGB supports resolution up to 2560 x 1600 LCD: Dual Channels 24-bit LVDS, resolution up to 1920 x 1200 @60Hz 3 DDI ports

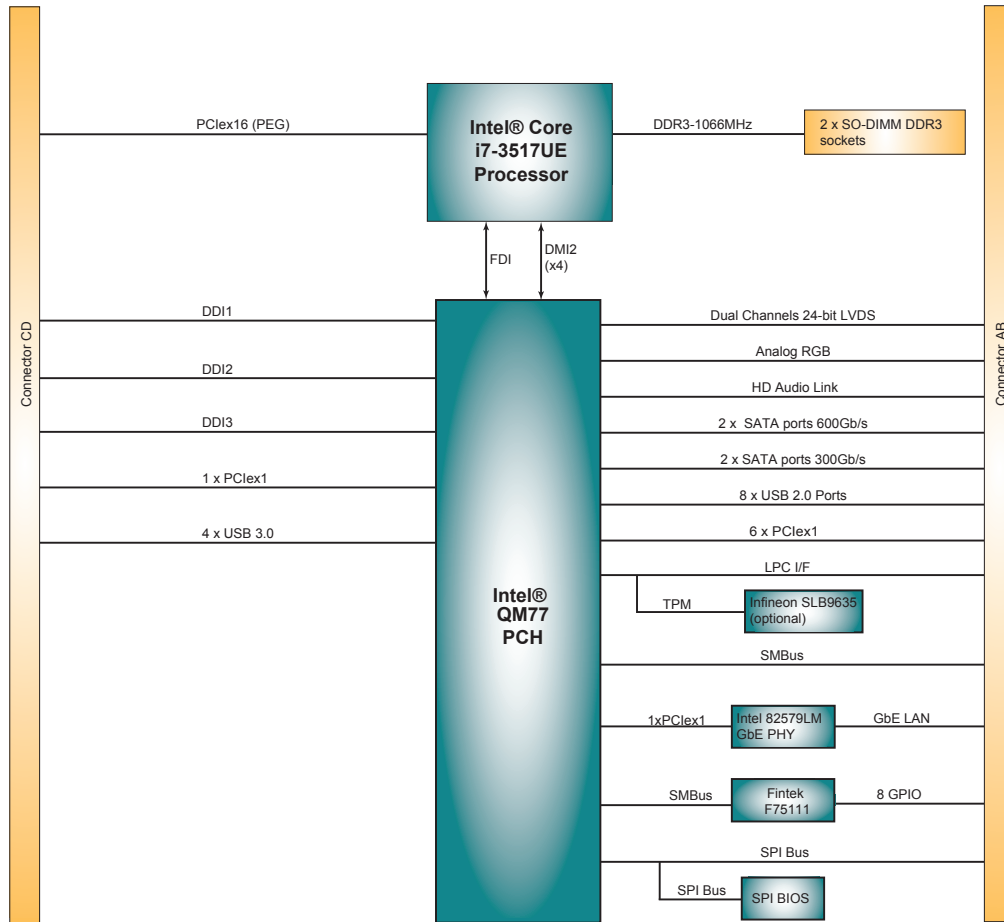
### Mechanical & Environmental

<b>Power Requirement</b>	+12V, 5VSB
<b>Power Consumption</b>	2.11A@12V (Typical)
<b>Operating Temp.</b>	-40 ~ 85°C (-40 ~ 185°F)
<b>Operating Humidity</b>	10 ~ 95% @ 85°C (non-condensing)
<b>Dimension (L x W)</b>	125 x 95 mm (4.9" x 3.7")

### Dimensions



## Block Diagram



## Ordering Information

**COM-880E-3517UE** Intel® Core™ i7-3517UE/ QM77 WT COM Express CPU module

## Optional Accessories

**HS-65M2-F2** Heat spreader (95x95x11mm)

**HS-0000-W4** Universal evaluation heatsink kit w/ thermal pad (dimension: 125x95x22mm, only used on a flat type heatspreader)

**PBE-1702** COM Express type 6 evaluation carrier board (ATX form factor)

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**CBK-04-1702-00** Cable Kit

- 1 x SATA cable
- 2 x COM port cables
- 1 x USB cable