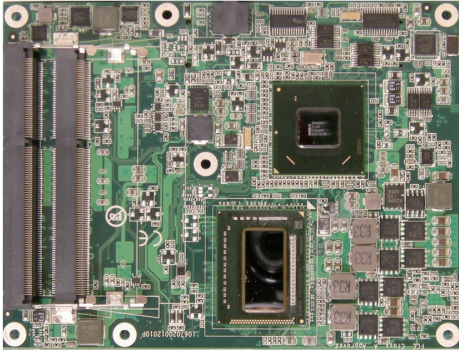


# EmETXe-i77M2

## Intel® Ivy Bridge QM77 COM Express Basic Type 6 CPU Module



### Features

- Soldered onboard 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.: -20 ~ 70°C**

### System

<b>CPU</b>	Intel® Core™ i7-3517UE 1.7GHz Processor
<b>Memory</b>	2 x DDR3 SO-DIMM sockets, supporting up to 8GB SDRAM
<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 PCIe16 Gen3 lanes 7 x PCIe1 Gen2 lanes SPI, and LPC (Low Pin Count) interface
<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
<b>Ethernet Chipset</b>	1 x Intel® 82579LM PCIe GbE PHY
<b>AUDIO/ Interface</b>	HD AUDIO link

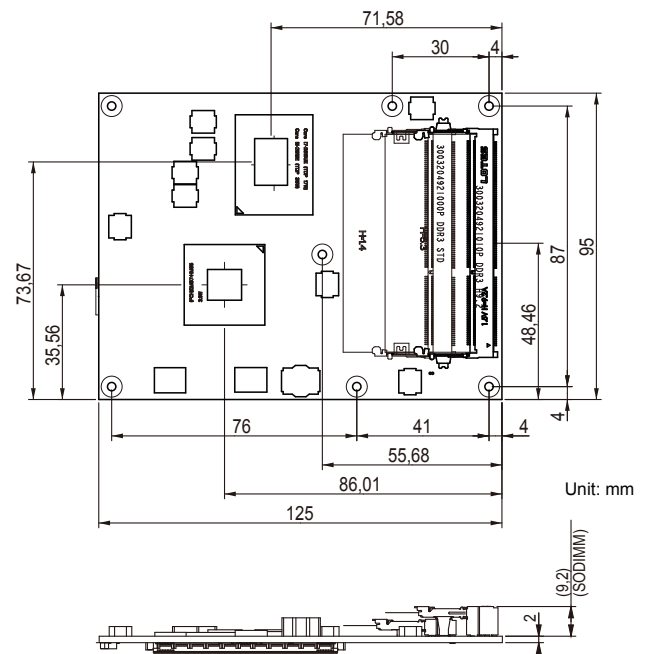
### Display

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

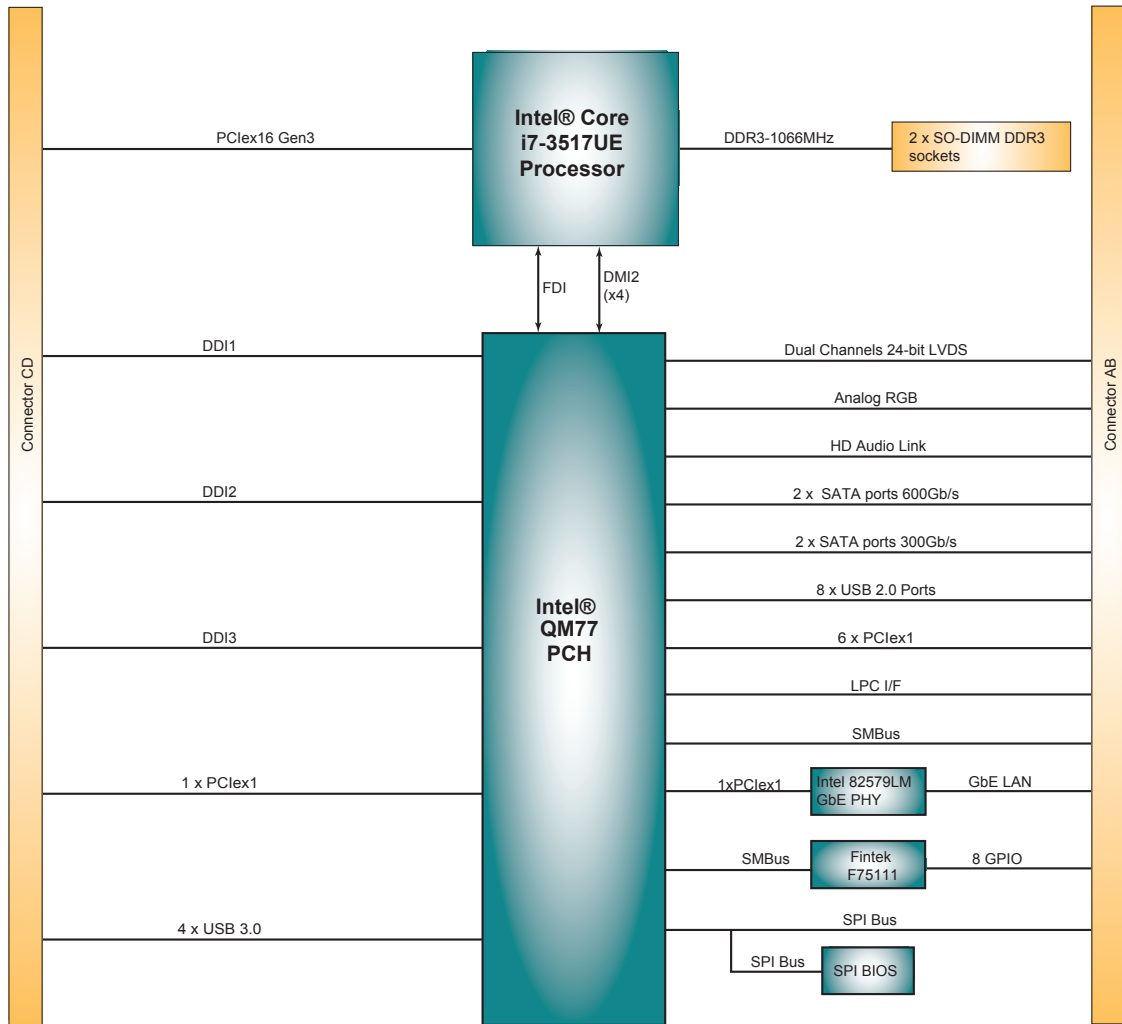
### Mechanical & Environmental

<b>Power Requirement</b>	+12V
<b>Power Consumption</b>	TBD
<b>Operating Temp.</b>	-20 ~ 70°C (-4 ~ 158°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



## Block Diagram



## Ordering Information

<b>EmETXe-i77M2-3517UE</b>	Intel® Core™ i7-3517UE/ QM77 COM express CPU module
<b>EmETXe-i77M2-3555LE (BTO)</b>	Intel® Core™ i7-3555LE/ QM77 COM express CPU module
<b>HS-65M2-F1</b>	Heat spreader (125x95x18mm)
<b>HS-65M2-W1</b>	Wave type heatsink (125x95x31.7mm)
<b>HS-65M2-C1</b>	Wave type heatsink with fan (125x95x18mm)
<b>PBE-1702</b>	COM Express type 6 evaluation carrier board (ATX form factor)
<b>CBK-04-1702-00</b>	Cable Kit 1 x SATA cable 2 x COM port cables 1 x USB cable