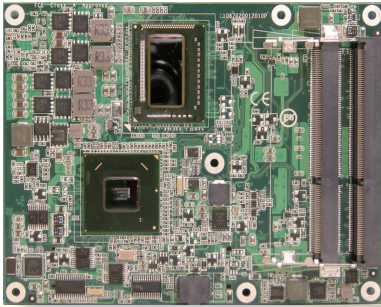


EmETXe-i77M2

3rd Generation Intel® Core™ Processor COM Express® Basic Type 6 CPU Module



Features

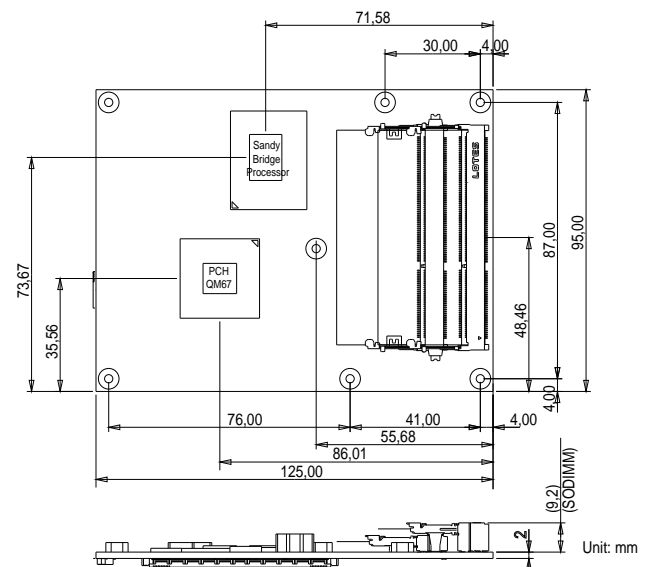
- Soldered onboard 3rd Generation Intel® Core™ i7-3517UE/ i7-3612QE/ or i7-3555LE
- Integrated Gigabit Ethernet
- Dual Channels 24-bit LVDS, Analog RGB, and 3 x DDI Ports
- 3 Independent Displays supported
- RAID 0, 1, 5, 10 supported
- Intel® Active Management Technology (Intel® AMT) supported
- **Extended Operating Temp.:-20 ~ 70°C**

System	
CPU	Soldered onboard 3 rd Generation Intel® Core™ i7-3517UE dual-core 1.7GHz, i7-3612QE quad-core 2.1GHz or i7-3555LE dual-core 2.5GHz
Memory	2 x DDR3 SO-DIMM sockets, supporting SDRAM up to 16GB
Chipset	Intel® PCH QM77
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset
I/O	
USB Port	12 x USB ports: - 8 x USB 2.0 ports - 4 x USB 3.0 ports
Digital I/O	8-bit programmable digital input/output
Expansion Bus	1 x PCIe x16 Generation 3 lanes 7 x PCIe x1 Generation 2 lanes SPI and LPC (Low Pin Count) interfaces
Storage	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
Ethernet Chipset	1 x Intel® 82579LM PCIe GbE PHY
Audio	HD Audio link
Display	
Graphics Chipset	Integrated Intel® HD Graphics 4000
Graphics Interface	Analog RGB that 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

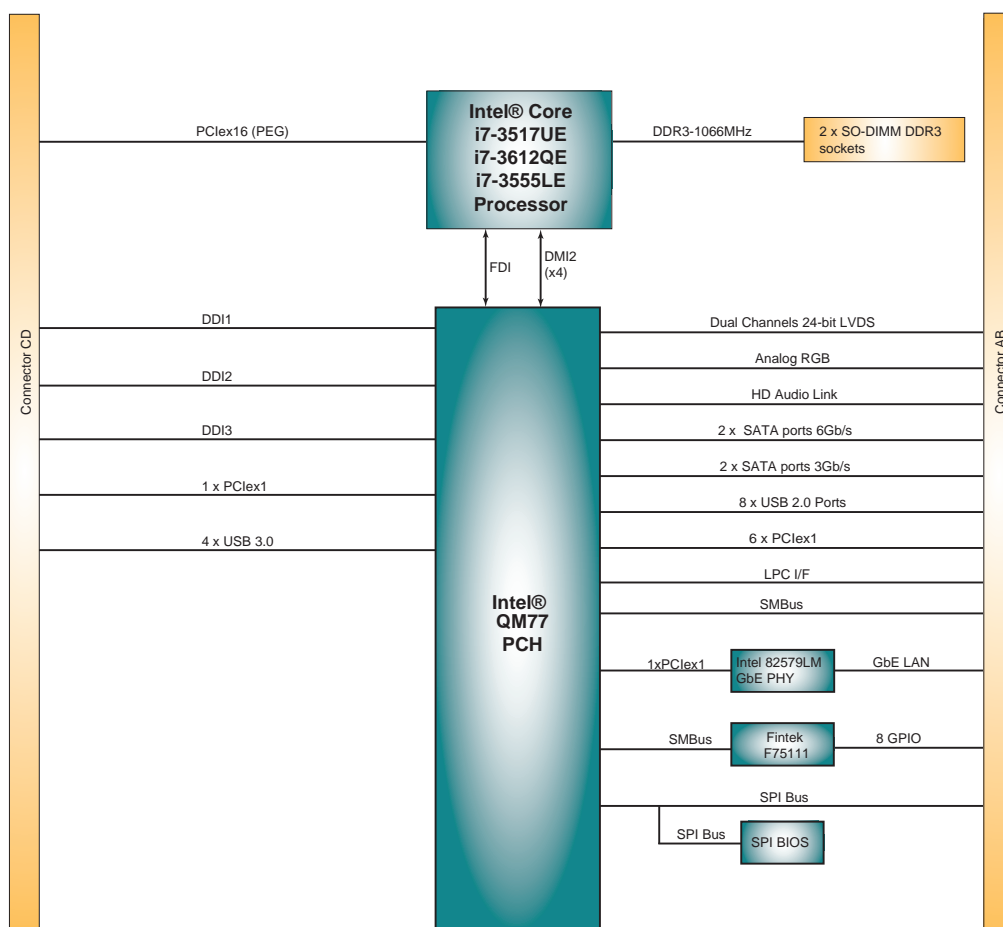
Power Requirement	+12V, 5VSB
Power Consumption	2.11A@12V with Intel® Core™ i7-3517UE Processor (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions (L x W)	125 x 95 mm (4.9" x 3.7")

Dimensions





Block Diagram



Ordering Information

EmETXe-i77M2-3517UE	3 rd Generation Intel® Core™ i7-3517UE/ QM77 COM Express® CPU module
EmETXe-i77M2-3612QE (BTO)	3 rd Generation Intel® Core™ i7-3612QE/ QM77 COM Express® CPU module
EmETXe-i77M2-3555LE (BTO)	3 rd Generation Intel® Core™ i7-3555LE/ QM77 COM Express® CPU module

Optional Accessories

StarterKit-002-77M2	COM Express® Type 6 starter kit for EmETXe-i77M2
HS-65M2-F2	Heat spreader (95x95x11mm)
HS-0000-W4	Universal evaluation heatsink kit with thermal pad (dimension: 125x95x22mm, only used on a flat type heat spreader)
PBE-1702	COM Express® Type 6 evaluation carrier board (ATX form factor)
CBK-04-1702-00	Cable Kit 1 x SATA cable 2 x COM-port cables 1 x USB cable
CPF-0000-C1	FAN, 4500RPM, 60x60x20mm