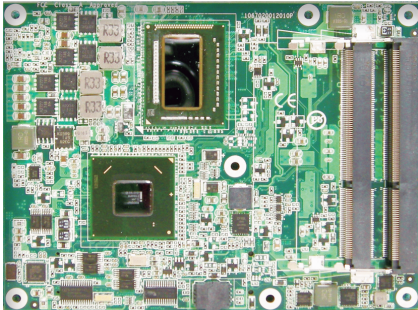


COM-880E



Wide-Range Temperature 3rd Generation Intel® Core™ Processor COM Express® Basic Type 6 CPU Module



Features

- Soldered onboard 3rd Generation Intel® Core™ i7-3517UE or i7-3612QE
- 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
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System

Processor	Soldered onboard 3 rd Generation Intel® Core™ i7-3517UE 1.7GHz i7-3612QE 2.1GHz
Chipset	Intel® PCH QM77
Memory	2 x DDR3 SO-DIMM sockets, supporting up to 16GB 1066MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB 2.0	8 x USB 2.0 ports
USB 3.0	4 x USB 3.0 ports
Expansion	7 x PCIe1 Gen.2, 1 x PCIe16 Gen3, LPC
Storage	2 x Serial ATA ports with 300MB/s HDD transfer rate
	2 x Serial ATA ports with 600MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82579LM PCIe GbE PHY
Digital I/O	8-bit Programmable
Audio	HD link
TPM Function	TPM supported (OEM request)

Display

Graphic Chipset	Integrated Intel® HD Graphics 4000
Graphic Interface	Analog RGB/DVI: Analog RGB, with resolution up to 2560x1600
	LCD: Dual Channels 24-bit LVDS, with resolution up to 1920x1200
	DDI port: 3 x DDI ports

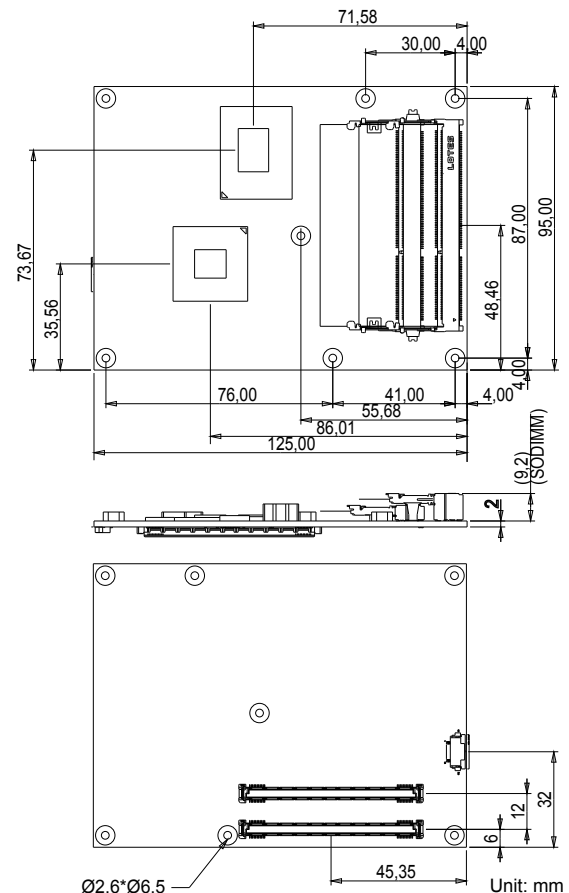
OS Support

Windows 7 32-bit/64-bit
Windows 8 32-bit/64-bit
Linux: Ubuntu

Mechanical & Environmental

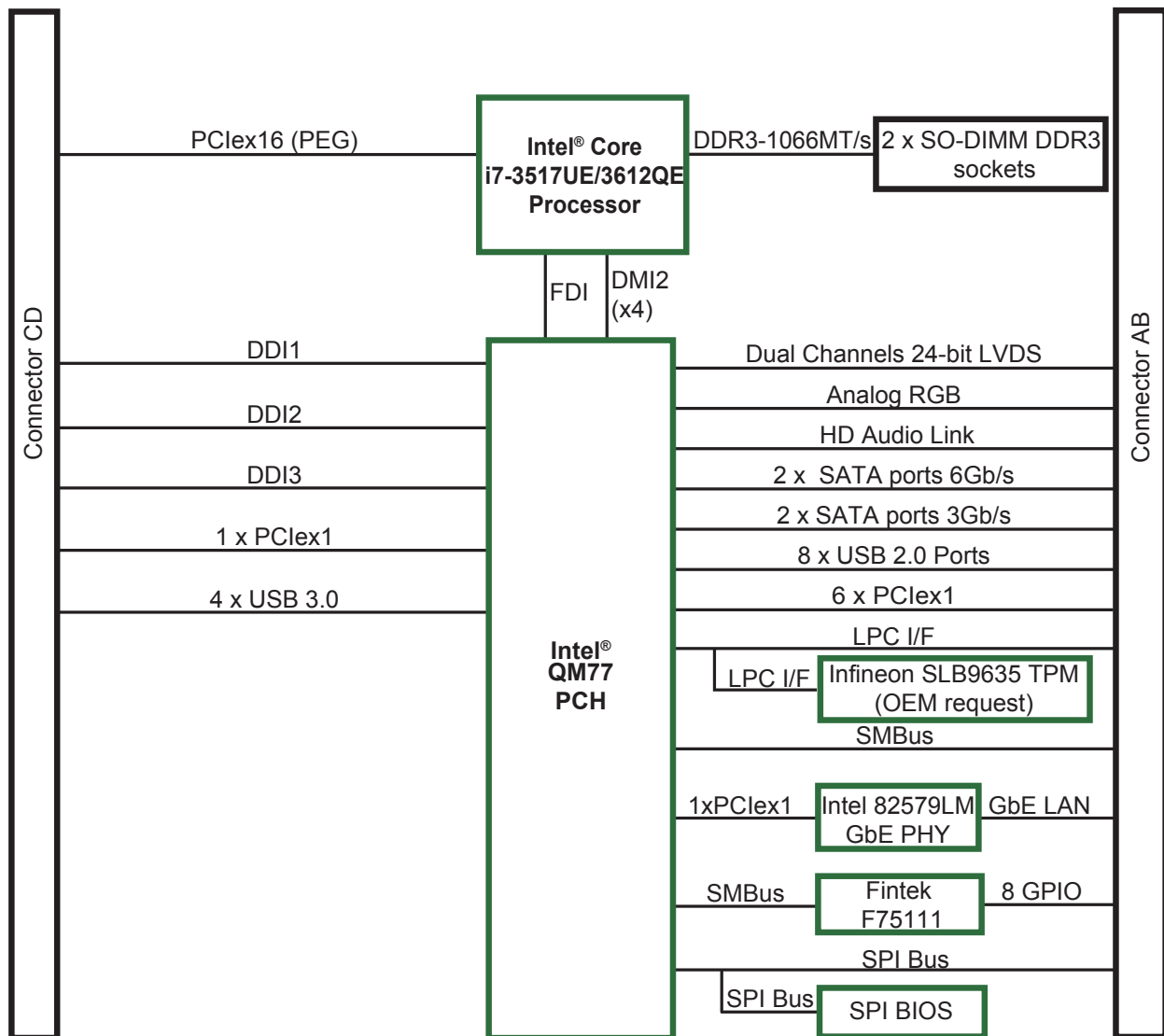
Power Requirement	DC 12V, 5VSB
Power Consumption	2.11A@12V with Intel® Core™ i7-3517UE (Typical, with PBE-1702)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	125 x 95 mm (4.9" x 3.7")

Dimensions





Block Diagram



Ordering Information

COM-880E-3517UE (BTO)	3 rd Generation Intel® Core™ i7-3517UE/ QM77 WT COM Express® Basic Type 6 CPU module
COM-880E-3612QE (BTO)	3 rd Generation Intel® Core™ i7-3612QE/ QM77 WT COM Express® Basic Type 6 CPU module

Optional Accessories

HS-65M2-F1	Heat spreader 95x95x18mm, recommended for i7-3517UE CPU module using
HS-65M2-F2	Heat spreader 95x95x11mm
HS-65M2-C1	Heat sink with FAN 125x95x34.8mm, recommended for i7-3612QE CPU module using
HS-0000-W4	Universal evaluation heat sink kit with thermal pad 125x95x22mm, only used on a flat-type heat spreader
PBE-1702	COM Express® Type 6 evaluation carrier board with Super IO F71869ED in ATX form factor
CBK-04-1702-00	Cable kit 1 x SATA cable 2 x Serial port cables 1 x USB cable