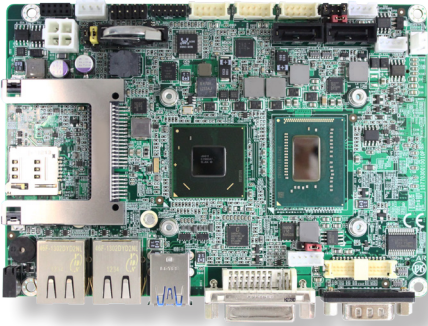


EmCORE-i77M3

3rd Generation Intel® Core™ i7-3517UE 3.5" Compact Board



Features

- Soldered onboard 3rd Generation Intel® Core™ i7-3517UE
- Dual Gigabit Ethernet ports
- Dual channel 24-bit LVDS and DVI-I
- Dual independent displays supported
- RS-485 auto-flow control supported
- Integrated micro SIM Socket for mobile telecommunication
- **Extended operating temp.: -20 ~ 70°C**

System

Processor	Soldered onboard 3 rd Generation Intel® Core™ Processor i7-3517UE 1.7GHz
Chipset	Intel® PCH QM77
Memory	1 x DDR3 SO-DIMM socket, supporting up to 8GB 1333/1600 MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

I/O

Super IO Chipset	Fintek F71869ED
Serial Port	1 x RS-232 1 x RS-232/422/485 selectable
Keyboard & Mouse	USB interface Keyboard/ Mouse
USB 2.0	4 x USB 2.0 ports
USB 3.0/2.0	2 x USB 3.0/2.0 ports
Expansion	1 x Mini-Card Socket 1 x micro SIM socket
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate 1 x CFast socket
Ethernet Chipset	1 x Intel® 82579LM PCIe GbE PHY (iAMT supported) 1 x Intel® 82583V PCIe GbE controller
Audio Interface	Realtek® ALC662 5.1 Channel HD Audio CODEC, Mic-in/ Line-in/ Line-out

Display

Graphic Chipset	Integrated Intel® HD Graphics 4000
Graphic Interface	DVI-I: Analog RGB with resolution up to 2048x1536 or TMDS with resolution up to 1920x1200 LVDS: Dual Channels 24-bit LVDS

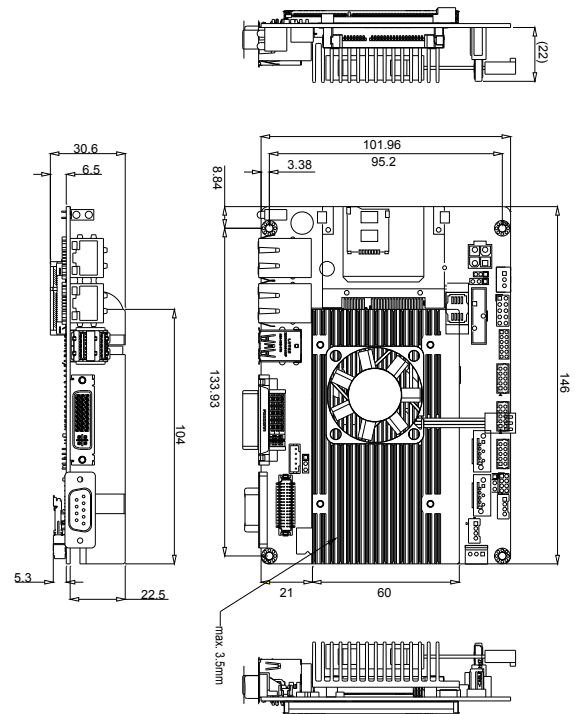
OS Support

Windows XP 32/64-bit
Windows 7 32/64-bit, Windows 8.1 32/64-bit
Linux: Ubuntu

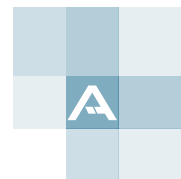
Mechanical & Environmental

Power Input	DC 12V
Power Consumption	3A@+12V (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	146 x 102 mm (5.7" x 4.0")

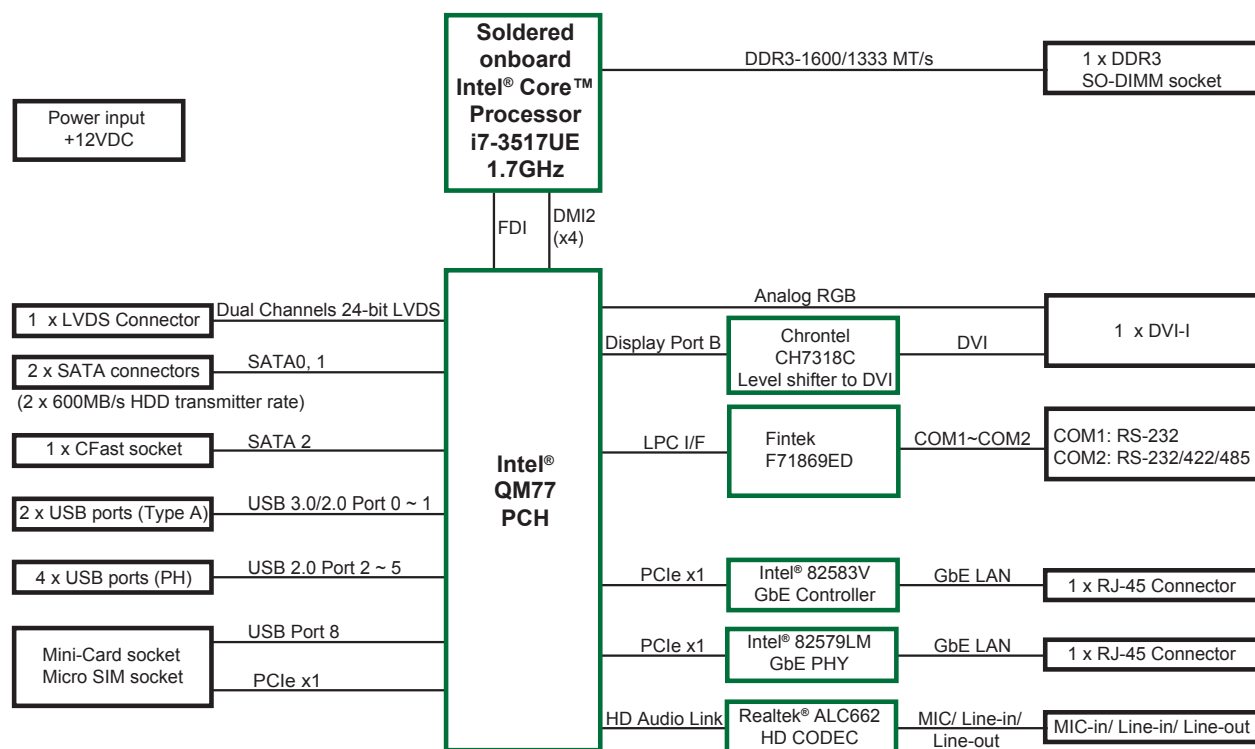
Dimensions



Unit: mm



Block Diagram



Ordering Information

EmCORE-i77M3-3517UE 3rd Generation Intel® Core™ i7-3517UE/ QM77 3.5" compact board

Optional Accessories

CBK-06-77M3-00	Cable kit 1 x SATA cable 1 x SATA power cable 2 x USB dual port cables 1 x Audio cable 1 x Serial port cable
----------------	---