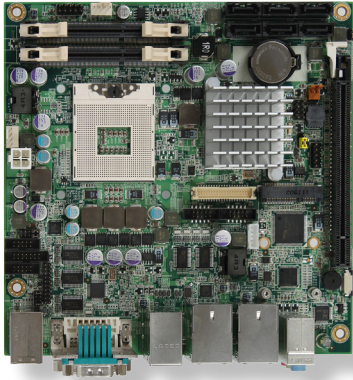


# ITX-i77M0

## 2<sup>nd</sup>/3<sup>rd</sup> Generation Intel® Core™ Processor Embedded Mini-ITX Motherboard



### Features

- 2<sup>nd</sup>/3<sup>rd</sup> Generation Intel® Core™ Processor supported
- Dual Gigabit Ethernet Ports
- Dual Independent Displays supported
- RS-485 Auto-flow Control supported
- Intel® iAMT 8.0 supported
- RAID 0, 1, 5, 10 supported
- USB 3.0 supported
- **Extended Operating Temp.: -20 ~ 70°C**

### System

Processor	2 <sup>nd</sup> /3 <sup>rd</sup> Generation Intel® Core™ i7/i5/i3, Celeron® Processor (Socket-G rPGA988)
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

Super IO Chipset	Fintek F71869ED + F81216
Serial Port	5 x RS-232 1 x RS-232/422/485 selectable
Keyboard & Mouse	6-pin Mini-DIN connector for PS/2 keyboard/mouse via Y-cable
USB 2.0	8 x USB 2.0 ports
USB 3.0/2.0	4 x USB 3.0/2.0 ports
Expansion	1 x PCIe x16 slot 1 x Mini-Card socket
Storage	4 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 (iAMT 8.0 supported) 1 x Intel® 82583V PCIe GbE controller
Digital I/O	16-bit Programmable
Audio Interface	Realtek® ALC886 7.1 Channel HD Audio CODEC, Mic-in/ Line-in/ Line-out

### Display

Graphic Chipset	Integrated Intel® HD Graphics depends on CPU: 2 <sup>nd</sup> Gen. Core: HD Graphics 3000 3 <sup>rd</sup> Gen. Core: HD Graphics 2500 (i5/i3)/ 4000 (i7)
Graphic Interface	1 x DVI-I connector LVDS: Dual Channels 24-bit LVDS

### OS Support

Windows 7 32/64-bit

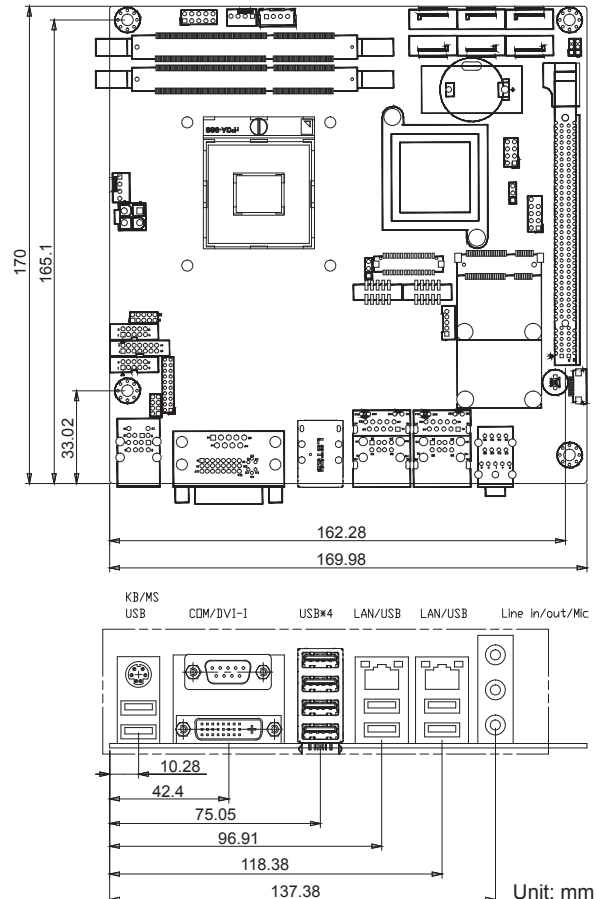
#### Recommended CPU List:

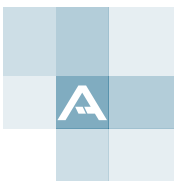
i7-3610QE Quad-Core 2.3GHz	i5-2510E Quad-Core 2.5GHz
i5-3610ME Quad-Core 2.7GHz	i3-2330E Dual-Core 2.2GHz
i3-3120ME Dual-Core 2.4GHz	Celeron® B810 1.6GHz
i7-2710QE Quad-Core 2.1GHz	

### Mechanical & Environmental

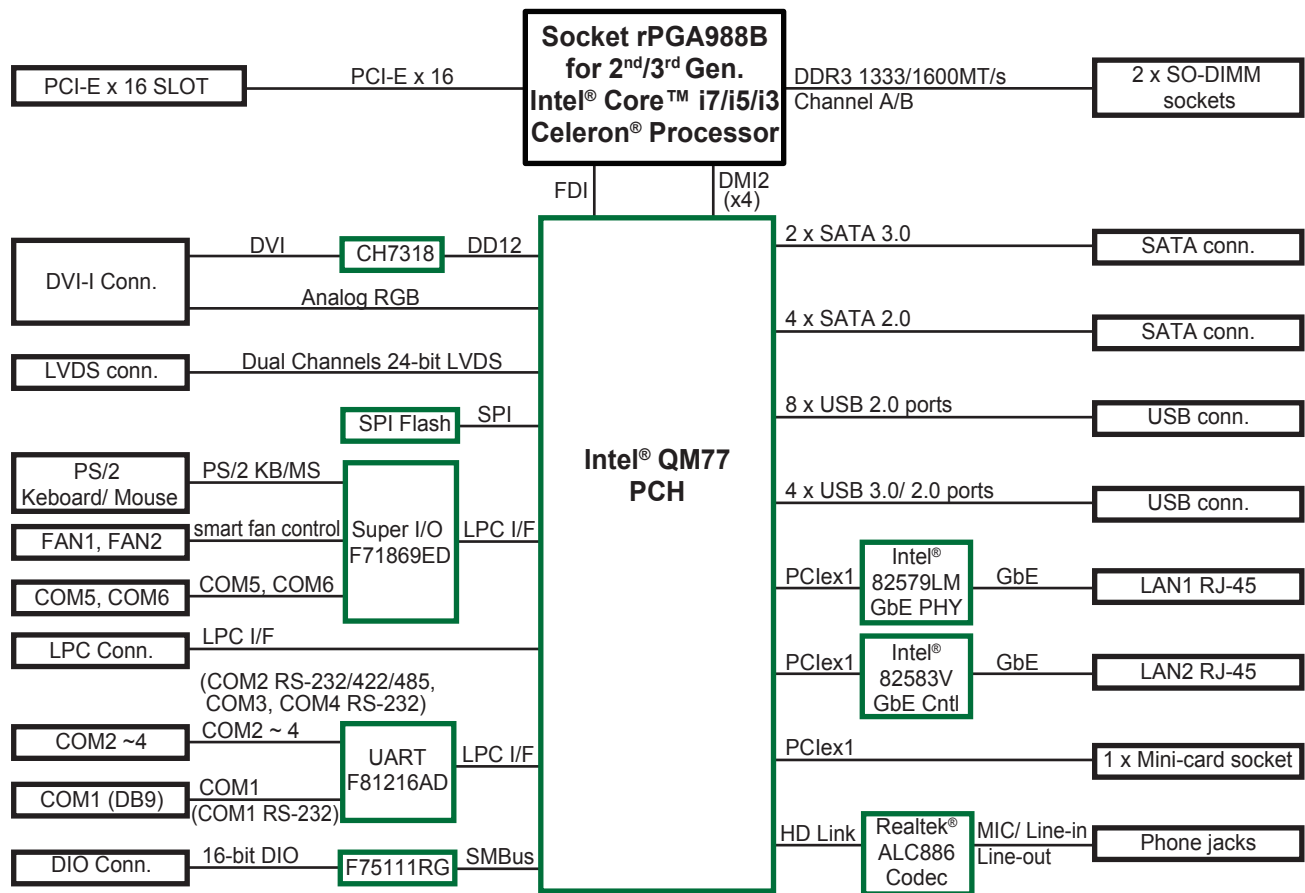
Power Input	DC 12V
Power Consumption	4.3A@+12V with i7-3610QE (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	170 x 170 mm (6.7" x 6.7")

### Dimensions





## Block Diagram



### Ordering Information

ITX-i77M0	Socket-G rPGA988 for 2 <sup>nd</sup> /3 <sup>rd</sup> Generation Intel® Core™ processor i7/ i5/ i3, Celeron®/ QM77 Mini-ITX motherboard
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### Optional Accessories

CPF-67M0-C1	Aluminium CPU cooler for Intel® processor Pentium® G850
CBK-11-67M0-00	Cable kit 2 x Two-serial-port cables 1 x Serial port cable 1 x USB cable 2 x SATA cables 1 x SATA power cable