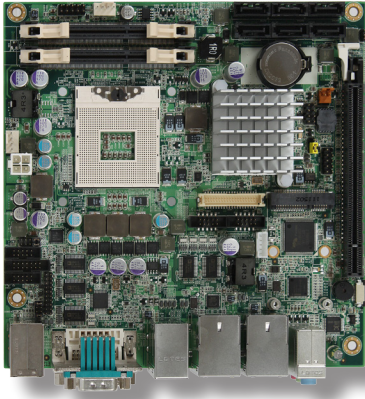


ITX-i77M0

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



Features

- 2nd/3rd Generation Intel® Core™ Processor supported
- Dual Gigabit Ethernet Ports
- Dual Independent Displays supported
- RS-485 Auto-flow Control supported
- Intel® AMT8.0 supported
- RAID 0, 1, 5, 10 supported
- USB 3.0 supported
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	2 nd /3 rd Generation Intel® Core™ i7/i5/i3 Processor in rPGA988 (Socket G2)
Memory	2 x 204-pin DDR3 SO-DIMM sockets, supporting 1333/1600MHz SDRAM up to 16GB
Chipset	Intel® PCH QM77
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

I/O

I/O Chip	Fintek F71869ED
Serial Port	5 x RS-232 ports 1 x RS-232/422/485 selectable port w/ RS-485 auto-flow control
USB Port	4 x USB 3.0/2.0 compatible ports 8 x USB 2.0 ports
KB/MS	1 x 6-pin wafer connector for PS/2 keyboard and mouse
Digital I/O	1 x 16-bit programmable digital input/output
Expansion Bus	1 x PCIe x16 slot 1 x Mini-card socket
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate 4 x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	1 x Intel® 82579LM PCIe GbE PHY w/ iAMT 1 x Intel® 82583V PCIe GbE controller
Audio	Realtek ALC886 HD Audio Codec, Mic-in/Line-in/Line-out

Display

Graphic Chipset	Integrated Intel® HD Graphics 2500 or HD Graphics 4000
Graphic Interface	1 x DVI-I connector, supporting either Analog RGB or DVI, resolution up to 2048 x 1536 for Analog RGB or 1920 x 1200 for TMDS Dual Channels 24-bit LVDS, resolution up to 1600 x 1200 supported

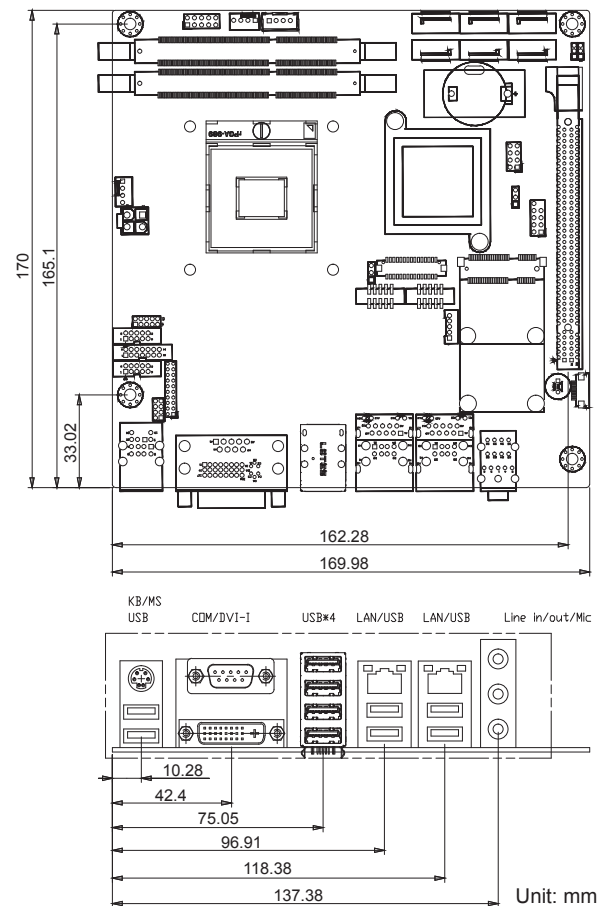
Recommended CPU List:

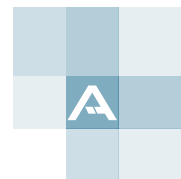
3 rd Generation Intel® Core™	2 nd Generation Intel® Core™
i7-3610QE quad-core 2.3GHz	i7-2710QE quad-core 2.1GHz
i5-3610ME quad-core 2.7GHz	i5-2510E quad-core 2.5GHz
i3-3120ME dual-core 2.4GHz	i3-2330E dual-core 2.2GHz
	Intel® Celeron® Processor B810 1.6GHz

Mechanical & Environmental

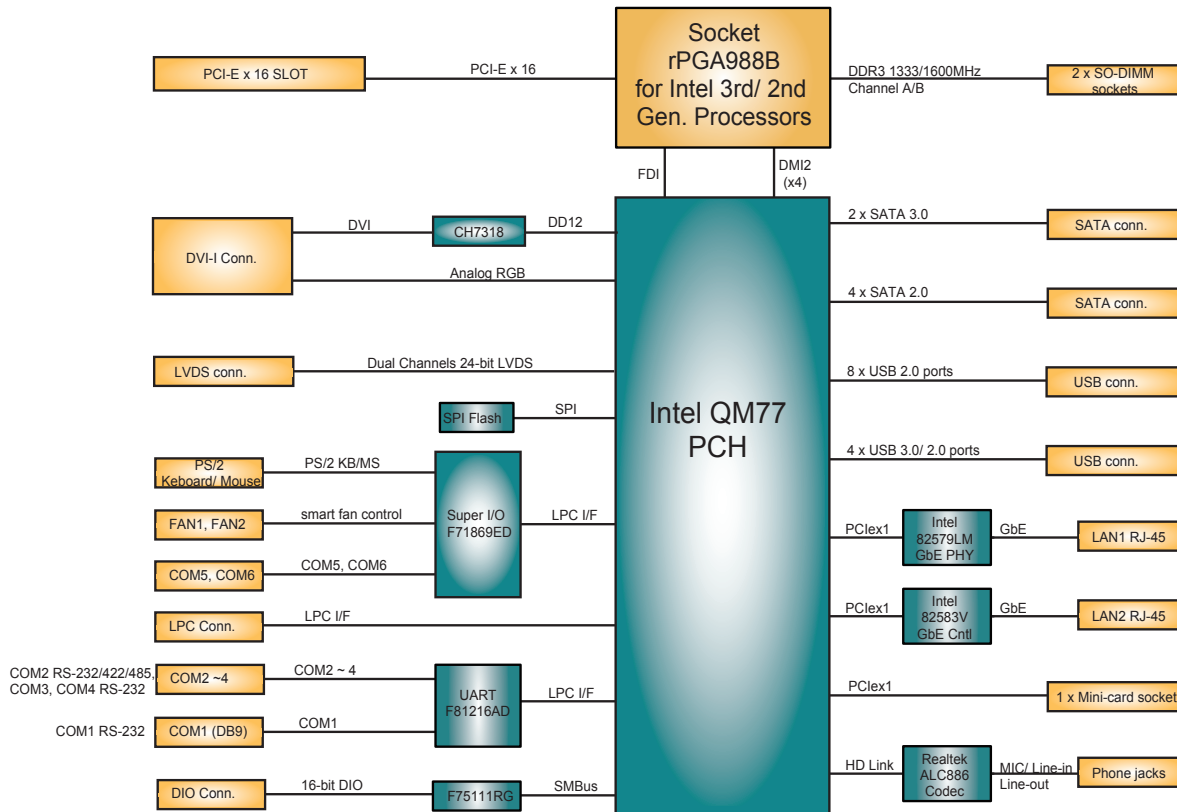
Power Requirement	DC12V input only
Power Consumption	4.3A@+12V with i7-3610QE (Typical)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions (L x W)	170 x 170 mm (6.7" x 6.7")

Dimensions





Block Diagram



Ordering Information

ITX-i77M0	2 nd /3 rd Generation Intel® Core™ i7/i5/i3, Celeron® Processor in rPGA988 socket embedded Mini-ITX motherboard
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Optional Accessories

CPF-67M0-C1	CPU Cooling Fan for rPGA988 CPU
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CBK-11-67M0-00	Cable kit 2 x Two-port COM cables 1 x COM Flat cable 1 x USB cable 2 x SATA cables 1 x SATA power cable
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