

ITX-i67M0

Intel® 3rd/ 2nd Gen. Core™ Embedded Mini-ITX Motherboard



Features

- Support Intel® rPGA988 3rd and 2nd Gen. Core™ Processors
- Dual Gigabit Ethernet Ports
- Support Dual Independent Displays
- Highly Integrated Video Function
- Support RS-485 Auto-flow Control
- Intel® AMT 7.0 Supported
- RAID 0, 1, 5, 10 Supported
- **Extended Operating Temp.: -20 ~ 70°C**

System

CPU	Support 2nd and 3rd Generation Intel® Core™ i7/i5/i3/ Celeron® processors in rPGA988
Memory	2 x 204-pin DDR3 SO-DIMM sockets, supporting 1066/1333MHz SDRAM up to 8GB
Chipset	Intel® PCH QM67
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

I/O

Super I/O	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	12 x USB 2.0 ports
KB/MS	1 x 6-pin mini-DIN for keyboard and mouse via Y-Cable
Digital I/O	16-bit programmable Digital Input/Output
Expansion Bus	1 x PCIe x16 slot 1 x Mini-card socket

Storage

2 x Serial ATA 3.0 ports with 600MB/s HDD transfer rate
4 x Serial ATA 2.0 ports with 300MB/s HDD transfer rate
Support RAID 0, 1, 5, 10

Ethernet Chipset

1 x Intel® 82579LM PCIe GbE PHY w/ iAMT
1 x Intel® 82583V GbE Controller

Audio Interface

Realtek ALC886 HD Audio Codec, Mic-in/Line-in/Line-out
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Display

Graphics Chipset	Integrated Intel® HD Graphics 3000
Graphics 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 LCD supports Dual Channels 24-bit LVDS, resolution up to 1600 x 1200

Recommended CPU List:

Intel® 3rd Generation
 i7-3610QE 2.3GHz Core™ Processor
 i5-3610ME 2.7GHz Core™ Processor
 i3-3120ME 2.4GHz Core™ Processor

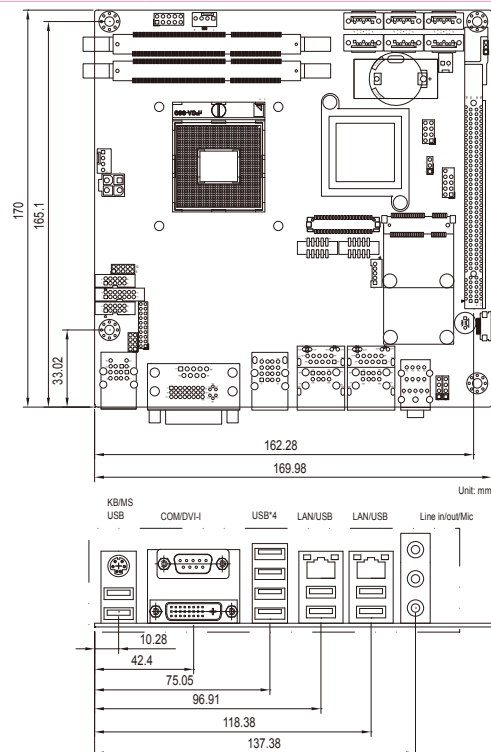
Intel® 2nd Generation

i7-2710QE 2.1GHz Core™ Processor
 i5-2510E 2.5GHz Core™ Processor
 i3-2330E 2.2GHz Core™ Processor
 B810 1.6GHz Celeron® Processor

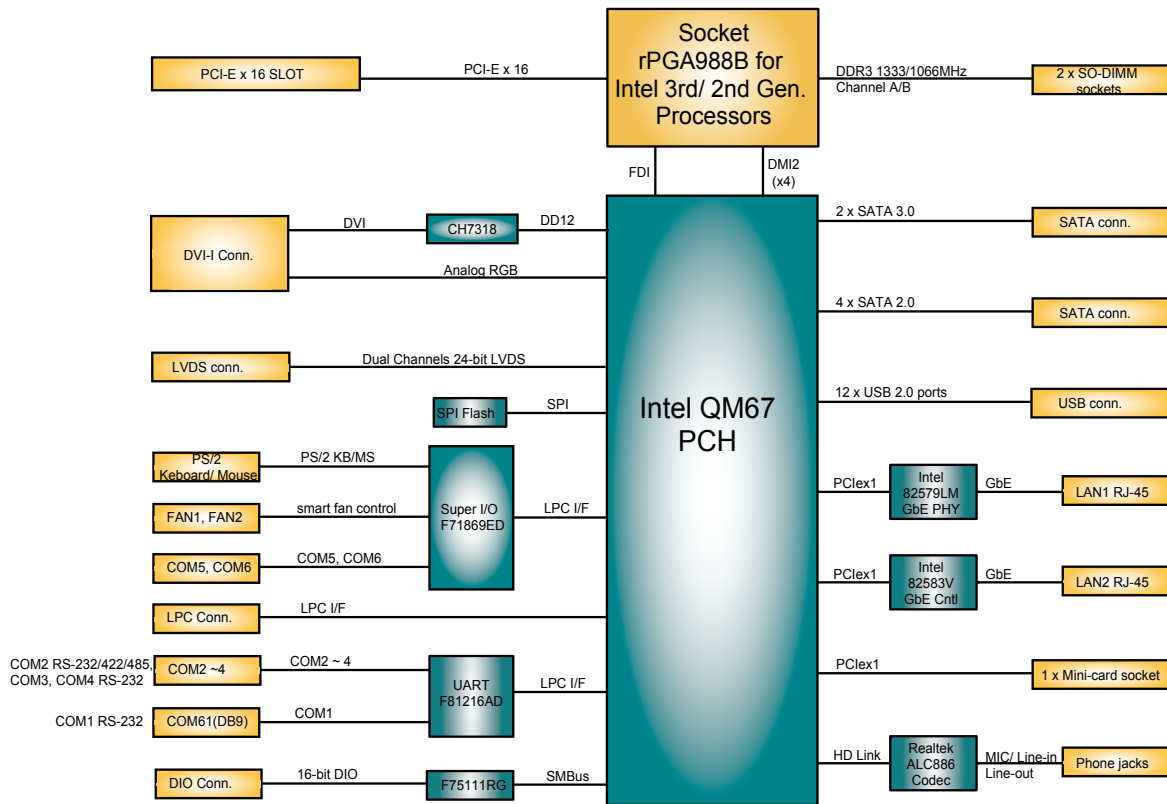
Mechanical & Environmental

Power Requirement	DC12V input only
Power Consumption	3.5A@+12V with i7-2710QE (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-i67M0 Intel® rPGA988 socket embedded Mini-ITX motherboard

Optional Accessories

CPF-67M0-C1 CPU Cooling Fan for rPGA988 CPU

- Cable kit
- 2 x Two ports COM cables
 - 1 x COM Flat cable
 - 1 x USB cable
 - 2 x SATA cables
 - 1 x SATA Power cable

CBK-11-67M0-00