

## 3.5 inch Miniboard

### LS-37B

Support 3<sup>rd</sup> Generation Intel® Core™ i7, Core™ i5 and Core™ i3 CPU with  
DDRIII SO-DIMM, CRT, DVI, LVDS, Gigabit LAN, USB3.0, USB2.0,  
PCI Express mini card, Serial ATAIII, mSATA, HD Audio



<b>Form Factor</b>	3.5 inch Miniboard
<b>CPU</b>	3 <sup>rd</sup> Generation Intel® Core™ i7, Core™ i5, Core™ i3 Mobile Processor Package type: rPGA988B
<b>Memory</b>	DDRIII SO-DIMM 1066/1333/1600 MHz up to 8GB Non-ECC, unbuffered memory supported only
<b>Chipset</b>	Intel QM77
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Power Management</b>	Supports ACPI 3.0 compliant
<b>Serial ATA Interface</b>	2 x serial ATAIII interface with 600MB/s transfer rate
<b>VGA Interface</b>	Onboard DSUB15 connector for VGA interface
<b>LVDS Interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>DVI interface</b>	Onboard DVI with 20-pin connector
<b>Audio Interface</b>	Realtek ALC888 HD Audio
<b>LAN Interface</b>	1 x Intel 82579LM Gigabit LAN (Support iAMT8.0)
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	2 x Mini PCIE socket, 1 x SIM socket (Optional support mSATA(SATAIII) for Mini_Card2)
<b>Internal I/O Port</b>	1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 2 x USB3.0 ports, 2 x USB ports2.0, 1 x IrDA, 1 x DVI , 1 x LVDS, 1 x LCD inverter, 2 x Serial ATAIII, 1 x Front panel Audio and 1 x CDIN
<b>External I/O Port</b>	1 x PS/2, 1 x LAN ports, 1 x VGA port, 2 x USB3.0 ports and 1 x RS232 port
<b>Power Requirement</b>	9~24V full range DC Input
<b>Dimension</b>	146mm x 101mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade
<b>Ordering Code</b>	
<b>LS-37B</b>	Intel PGA988B+ QM77 Onboard VGA, DVI, LVDS, LAN, USB3.0, USB2.0, HD Audio, SATAIII, SMBUS, GPIO, SIM and PCI Express mini card.
<b>LS-37BS</b>	Intel PGA988B+ QM77 Onboard VGA, DVI, LVDS, LAN ,USB3.0, USB2.0, HD Audio, SATAIII, SMBUS, GPIO, SIM, PCI Express mini card and mSATA.

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