

Industrial Single Board Computer

3.5 inch Miniboard

LS-37B

Support 3rd 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



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

Ordering Code

LS-37B	Intel PGA988B+ QM77 Onboard VGA, DVI, LVDS, LAN, USB3.0, USB2.0, HD Audio, SATAIII, SMBUS, GPIO, SIM and 2 x PCI Express mini card.
LS-37BS	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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