

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 ATAI, 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 ATAI 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 (Support iAMT8.0)
GPIO Interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	2 x Mini PCIE socket, 1 x SIM socket (Optional support mSATA(SATAI) 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 ATAI, 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 Requirement	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, SATAI, SMBUS, GPIO and PCI Express mini card.
LS-37BS	Intel PGA988B+ QM77 Onboard VGA, DVI, LVDS, LAN ,USB3.0, USB2.0, HD Audio, SATAI, SMBUS, GPIO, PCI Express mini card and mSATA.

Taiwan Commate Computer Inc.

19F, NO. 94, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22102, Taiwan.

TEL: +886-2-26963909 Website: www.commell.com.tw

FAX: +886-2-26963911 E-mail: info@commell.com.tw

Facebook: <https://www.facebook.com/pages/Taiwan-Commate-Computer-Inc/547993955271899>

Twitter: https://twitter.com/Taiwan_Commate



Stage For Your Success