

# Industrial Single Board Computer

## 3.5 inch Miniboard

### LE-37C

Support 4<sup>th</sup> Generation Intel® Core™ i7, Core™ i5 and Core™ i3 CPU with DDR3L SO-DIMM, CRT, DisplayPort, DVI, LVDS, Gigabit LAN, USB3.0, USB2.0, PCIe mini card, Serial ATA3, mSATA, HD Audio



<b>Form Factor</b>	3.5 inch Miniboard
<b>CPU</b>	4 <sup>th</sup> Generation Intel® Core™ i7, Core™ i5, Core™ i3 Mobile Processor Package type: FCBGA1364
<b>Memory</b>	1 x DDR3L SO-DIMM 1333/1600 MHz up to 8GB Support Non-ECC, unbuffered memory only
<b>Chipset</b>	Intel® DH82QM87 PCH
<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>	Support ACPI 4.0 compliant
<b>Serial ATA Interface</b>	2 x serial ATA3 interface with 600MB/s transfer rate (Only for SATA3)
<b>Display Interface</b>	Intel® 4th Generation Core mobile processor integrated HD Graphics 4600 1 x CRT (Onboard 2x8 pin-header) 1 x DVI (Rear I/O HDMI connector) 1 x DisplayPort (Rear I/O Port) 1 x LVDS (Onboard 24-bit dual channel connector with +3.3/+5/+12V supply)
<b>Audio Interface</b>	Realtek ALC888 HD Audio
<b>LAN Interface</b>	1 x Intel® I217-LM Gigabit LAN (Support iAMT9.0)
<b>GPIO Interface</b>	Onboard programmable 12 pin-header, 8-bit Digital I/O interface
<b>Extended Interface</b>	2 x Mini PCIe slot, 1 x SIM slot, 1 x CFAST (Optional support mSATA (Only for SATA3) for Mini_Card1)
<b>Internal I/O Port</b>	1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 2 x USB3.0, 2 x USB2.0, 1 x IrDA, 1 x CRT, 1 x LPC, 1 x LVDS, 1 x LCD inverter, 2 x Serial ATA3, 1 x DC-Out, 1 x PS/2, 1 x CFAST and 1 x Front panel Audio
<b>External I/O Port</b>	1 x LAN, 1 x DVI, 1x DisplayPort, 2 x USB3.0 and 1 x RS232
<b>Power Requirement</b>	9~24V 4-pin full range DC Input
<b>Dimension</b>	146mm x 101mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Ordering Code

<b>LE-37C17L</b>	i7-4700EQ Mobile Processor, Onboard CRT, LVDS, DVI, DisplayPort, SATA3, USB2.0, USB3.0, HD Audio, LAN, SMBUS, LPC, SIM, GPIO, IrDA, DC-Out, PS/2, PCIe mini card, mSATA, CFAST.
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