

Industrial Single Board Computer

3.5 inch Miniboard

LE-37C

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



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

Ordering Code

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

LE-37C17P **Celeron 2002E Mobile Processor**, Onboard CRT, LVDS, DVI, DisplayPort, SATA3, USB2.0, LPC, USB3.0, HD Audio ,LAN, SMBUS, SIM, GPIO, IrDA, DC-Out, PS/2, PCIe mini card, mSATA, CFAST.

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