

Industrial Single Board Computer

Mini-ITX motherboard

LV-67M

Support 4th Generation Intel® Core™ i7, Core™ i5, Core™ i3 Mobile Processor with DDR3L SO-DIMM, CRT, DVI, LVDS, Display Port, Gigabit LAN, USB2.0 & 3.0, PCIE x16, PCIE mini card, mSATA, Serial ATA3, HD Audio.



Form Factor	Mini-ITX motherboard
CPU	4th Generation Intel® Core™ i7, Core™ i5, Core™ i3 Mobile Processor Package type: FCBGA1364
Memory	2 x DDR3L SO-DIMM 1333/1600 MHz up to 16GB 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	Supports ACPI 4.0 compliant
Serial ATA Interface	4 x serial ATA3 interface with 600MB/s transfer rate Support RAID 0, 1, 5, 10 and Intel Rapid Storage Technology. (not support SATA2)
Integrated Graphics	Intel® HD Graphics 4600 Technology
LVDS Interface	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
Display port Interface	Onboard Display port connector
DVI interface	Onboard DVI connector
Audio Interface	Realtek ALC888 HD Audio
LAN Interface	1 x Intel® I210 Gigabit LAN 1 x Intel® I217-LM Gigabit LAN (Support iAMT9.0)
GPIO Interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCIE x16 slot, 2 x PCIE mini card socket, 1 x SIM socket (Optional support mSATA(only for SATA3) for Mini_Card1)
Internal I/O Port	4 x RS232, 1 x SMBUS, 1 x GPIO, 4 x USB2.0 ports, 2 x USB3.0 ports, 1 x IrDA, 1 x CRT , 1 x LVDS, 1 x LPC, 4 x Serial ATA3, 1 x Front panel Audio and 1 x CDIN
External I/O Port	1 x PS/2, 2 x LAN ports, 1 x DVI , 1 x Display Port, 4 x USB3.0 ports, 1 x RS232/422/485, 1 x RS232 and 1 x HD Audio
Power Requirement	Standard 24-pin ATX power supply or 9~24V full range DC Input
Dimension	170mm x 170mm (L x W)
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering

LV-67M17L

i7-4700EQ Mobile Processor, Onboard CRT, LVDS, DVI, Display Port, LAN, USB2.0, USB3.0, HD Audio ,SATA3, SMBUS, LPC, SIM, GPIO, IrDA, PCIE x16 and PCIE mini card, mSATA.

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