

## Mini-ITX Motherboard

# LV-67E

Intel® Atom™ Processor, Onboard LVDS,  
VGA, 2 x Giga LAN, 8 x USB2.0, HD Audio,  
3 x SATA, CF socket, PCI, Mini-PCI, 2 x PCIE  
Mini-Card, IDE, 6 x Serial Port



<b>Form Factor</b>	Mini-ITX Motherboard
<b>CPU</b>	Intel® Atom™ N450 processor 1.66GHz(LV-67EG) Intel® Atom™ D410 processor 1.66GHz(LV-67EH) Intel® Atom™ D510 processor 1.66GHz(LV-67EA) L2 Cache: 512KB (LV-67EG/H) L2 Cache: 1MB (LV-67EA) Package type: FCBGA559
<b>Memory</b>	1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 2GB(LV-67EG Only) 1 x 200-pin DDR2 667 SO-DIMM SDRAM up to 4GB(LV-67EH/A Only) Non-ECC, unbuffered memory supported only
<b>System Chipset</b>	Intel® ICH8M
<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(sec) ~ 255min(sec)
<b>Power Management</b>	ACPI 2.0 compliant, supports power saving mode
<b>Integrated Graphics</b>	Intel® integrated extreme GMA 3150(Graphic Media Accelerator) Technology
<b>Video Memory</b>	Up to 384MB shared with system memory
<b>LVDS interface</b>	Chipset Integrated 18-bit single channel LVDS with Hirose connector
<b>Serial ATA interface</b>	3 x serial ATAI interface with 300MB/s transfer rate
<b>Solid State Disk</b>	IDE supports 44-Pin Disk On Module with +5V power supply 1 X Compact Flash Type II socket
<b>Audio Interface</b>	Intel ICH8M integrated with Realtek ALC888 HD Codec
<b>LAN Interface</b>	2 x Intel 82583V Gigabit Ethernet controller
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	1 x Mini-PCI socket 、 1 x PCI slot 、 2 x PCIE mini card socket
<b>Internal I/O Port</b>	1 x AUDIO, 1 x LVDS, 1 x LCD Inverter, 4 x USB2.0, 3 x SATAII, 3 x RS232, 1 x SMBUS, 1 x GPIO, 1 x IrDA, 1 x LPT, 1 x CDIN
<b>External I/O Port</b>	2 x RS232, 1 x RS232/422/485, 2 x LAN, 1 x VGA, 1 x PS/2, 4 x USB2.0, 1 x SPDIF, 1 x Audio
<b>Power Requirement</b>	Standard 20-pin ATX power supply or 9~24V full range DC Input
<b>Dimension</b>	170mm x 170mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

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## Ordering Code

<b>LV-67EG</b>	Support Intel® Atom <b>N450</b> processor with onboard VGA, LVDS for 18-bits , Audio , 2 x Giga LAN , 8 xUSB2.0 , 3 x SATAII , 2 x PCIE mini card , 1 x PCI , 1 x Mini-PCI , 6 x Serial Port , 1 x IDE , 1 x CF
<b>LV-67EH</b>	Support Intel® Atom <b>D410</b> processor with onboard VGA, LVDS for 18-bits , Audio , 2 x Giga LAN , 8 xUSB2.0 , 3 x SATAII , 2 x PCIE mini card , 1 x PCI , 1 x Mini-PCI , 6 x Serial Port , 1 x IDE , 1 x CF
<b>LV-67EA</b>	Support Intel® Atom <b>D510</b> processor with onboard VGA, LVDS for 18-bits , Audio , 2 x Giga LAN , 8 xUSB2.0 , 3 x SATAII , 2 x PCIE mini card , 1 x PCI , 1 x Mini-PCI , 6 x Serial Port , 1 x IDE , 1 x CF