

# Industrial Single Board Computer

## Mini-ITX motherboard

### LV-67L

Intel® Sandy Bridge Processor 807UE/847E with DDRIII SO-DIMM, CRT, DVI, LVDS, Gigabit LAN, USB2.0 ,PCIE x16, PCI Express mini card, mSATA, Serial ATAI, Serial ATAIII, HD Audio, SPDIF



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Intel® Celeron® Processor 807UE 1.0GHz (LV-67LNB) Intel® Celeron® Processor 847E 1.1GHz (LV-67LBU) Package type : FCBGA1023
<b>Memory</b>	1 x DDRIII SO-DIMM 1066/1333 MHz up to 4GB (LV-67LNB) 2 x DDRIII SO-DIMM 1066/1333 MHz up to 16GB (LV-67LBU) Support Non-ECC, unbuffered memory only
<b>Chipset</b>	Intel HM65
<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>	Supports ACPI 3.0 compliant
<b>Serial ATA Interface</b>	4 x serial ATAI interface with 300MB/s transfer rate 2 x serial ATAIII interface with 600MB/s transfer rate The HM65 doesn't support RAID function.
<b>Integrated Graphics</b>	Intel® integrated extreme HD graphics Technology
<b>VGA Interface</b>	Onboard DSUB15 connector for VGA interface
<b>LVDS Interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>DVI interface</b>	Onboard DVI with 20-pin connector
<b>Audio Interface</b>	Realtek ALC888 HD Audio
<b>LAN Interface</b>	1 x Intel 82579LM Gigabit LAN 1 x Intel 82574L Gigabit LAN
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	LV-67LNB support 2 x PCIE mini card socket, 1 x SIM socket. LV-67LBU support 1 x PCIE x16 slot, 2 x PCIE mini card socket, 1 x SIM socket. Optional support mSATA(SATAII) for above models in Mini_Card2,but SATA6 will be disabled.
<b>Internal I/O Port</b>	3 x RS232,1 x SMBUS, 1 x GPIO, 6 x USB2.0 ports, 1 x IrDA, 1 x DVI , 1 x LVDS, 4 x Serial ATAI, 2 x Serial ATAIII, 1 x Front panel Audio and 1 x CDIN
<b>External I/O Port</b>	1 x PS/2, 2 x LAN ports, 1 x VGA port, 4 x USB2.0 ports, 1 x RS232/422/485, 2 x RS232, 1 x SPDIF and 1 x 2 Channel HD Audio
<b>Power Requirement</b>	Standard 24-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



## Ordering Code

<b>LV-67LNB</b>	Intel® Celeron® Processor 807UE + HM65 with Onboard VGA, LVDS, DVI, LAN, USB2.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, SIM, GPIO and PCI Express mini card.
<b>LV-67LNBS</b>	Intel® Celeron® Processor 807UE + HM65 with Onboard VGA, LVDS, DVI, LAN, USB2.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, SIM, GPIO, PCI Express mini card and mSATA.
<b>LV-67LBU</b>	Intel® Celeron® Processor 847E + HM65 with Onboard VGA, LVDS, DVI, LAN, USB2.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, SIM, GPIO, PCIE x16 and PCI Express mini card.
<b>LV-67LBUS</b>	Intel® Celeron® Processor 847E + HM65 with Onboard VGA, LVDS, DVI, LAN, USB2.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, SIM, GPIO, PCIE x16 , PCI Express mini card and mSATA.