

Industrial Single Board Computer

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



Form Factor	Mini-ITX Motherboard
CPU	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
Memory	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
System Chipset	Intel® ICH8M
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Generates a system reset with internal timer for 1min(sec) ~ 255min(sec)
Power Management	ACPI 2.0 compliant, supports power saving mode
Integrated Graphics	Intel® integrated extreme GMA 3150(Graphic Media Accelerator) Technology
Video Memory	Up to 384MB shared with system memory
LVDS interface	Chipset Integrated 18-bit single channel LVDS with Hirose connector
Serial ATA interface	3 x serial ATAll interface with 300MB/s transfer rate
Solid State Disk	IDE supports 44-Pin Disk On Module with +5V power supply 1 X Compact Flash Type II socket
Audio Interface	Intel ICH8M integrated with Realtek ALC888 HD Codec
LAN Interface	2 x Intel 82583V Gigabit Ethernet controller
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x Mini-PCI socket 、 1 x PCI slot 、 2 x PCIE mini card socket
Internal I/O Port	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
External I/O Port	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
Power Requirement	Standard 20-pin ATX power supply or 9~24V full range DC Input
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LV-67EG	Support Intel® Atom N450 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
LV-67EH	Support Intel® Atom D410 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
LV-67EA	Support Intel® Atom D510 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

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