

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



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| 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

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|----------------|---|
| 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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