

Industrial Single Board Computer

Mini-ITX motherboard

LV-67B

Support Intel Penryn CPU with DDRIII SO-DIMM, CRT, LVDS, HDTV, Gigabit LAN, PCIE x16, Mini PCI, PCI Express mini card, IEEE 1394, Serial ATAll, 7.1Channel HD Audio, SPDIF and SD



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|-----------------------------|---|
| Form Factor | Mini-ITX motherboard |
| CPU | Support Intel Penryn Processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 667/800/1066 MHz |
| Memory | 2 x DDRIII SO-DIMM 800/1066 MHz up to 8GB |
| Chipset | Intel GM45 & ICH9M |
| 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 | ACPI 2.0 compliant, supports power saving mode |
| Serial ATA Interface | 4 x serial ATAll interface with 300MB/s transfer rate |
| VGA Interface | Intel integrated extreme GMA 4500MHD(Graphic Media Accelerator) Technology |
| LVDS Interface | Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply |
| Audio Interface | Intel integrated ICH9-M with Realtek ALC888 HD Audio |
| LAN Interface | 2 x Intel 82573L Gigabit LAN |
| GPIO Interface | Onboard programmable 8-bit Digital I/O interface |
| Extended Interface | 1 x PCIE x16 slot, 1 x Mini PCIE socket, 1 x SD socket, 1 x Mini PCI socket to support Mini PCI Type IIIA |
| Internal I/O Port | 1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 1 x HDTV, 4 x USB ports, 1 x IrDA, 1 x LVDS, 4 x Serial ATA, 1 x LCD inverter, 1 x Front panel Audio and 1 x CDIN |
| External I/O Port | 1 x PS/2, 2 x LAN ports, 1 x VGA port, 6 x USB2.0 ports, 1 x IEEE1394 port, 1 x RS232 port, 1 x SPDIF and 7.1Channel Audio |
| Power Requirement | Standard 20-pin ATX power supply or 9~24V full range DC Input (8~30V is operative) Note: It won't support PCIE x16 graphic card if use DC input mode |
| Dimension | 170mm x 170mm |
| Temperature | Operating within 0~60 centigrade Storage within -20~85 centigrade |

Ordering Code

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| LV-67B | Onboard VGA, LVDS, LAN, USB2.0, HD Audio, SATA, HDTV, SMBUS, IEEE1394, SD, PCIE x16, Mini PCI and PCI Express mini card. |
| MPX-574D | PCI Express mini card supports single Giga LAN. |
| MPX-574D2 | PCI Express mini card supports dual Giga LAN. |
| ADP-L2T | 18-bit LVDS to TTL module. |

For further product information please visit the website at <http://www.commell.com.tw>

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