

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



Form Factor	Mini-ITX motherboard
CPU	Support Intel Penryn Processor Package type: Micro-FCPGA478 (Socket-P) Front side bus: 667/800/1066 MHz
Memory	One DDRIII 800/1066 up to 2GB
Chipset	Intel GM45 & ICH9-M
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 X4500(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	Two 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

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	18bit LVDS to TTL module

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

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