

Industrial Single Board Computer

Mini-ITX motherboard

LV-67A

Support Intel® Core™ 2 Quad / Core™ 2 Duo /
Celeron® processor, Onboard VGA
HD Audio, 1 x Mini-PCI, 1 x PCI, 6 x SATA
2 x Gigabit LAN, LVDS, 2 x DVI, 1 x CRT



Form Factor	Mini-ITX motherboard
CPU	Support Intel® Core™ 2 Quad / Core™ 2 Duo / Celeron® processor Package type: PLGA775 Front side bus: 800/1066/1333MHz
Memory	2 x DDR3 800/1066MHz DIMM support up to 4.0 GB
Chipset	Intel® Q45 Express Chipset & ICH10DO(82801IDO)
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	Intel® ICH10DO built-in 6 x Serial ATAII interface up to 300MB/s Support RAID 0, 1, 5, 10 and Intel® Matrix Storage Technology
VGA Interface	Onboard Intel® integrated extreme GMA 4500(Graphic Media Accelerator) Technology Optional Secondary CRT Connector (LV-67AT)
Video Memory	Up to 1024MB shared with system memory
LVDS interface	Optional 18/24-bits dual channel LVDS interface (LV-67AX)
DVI interface	Optional DVI interface (LV-67AD/LV-67AD2)
Audio Interface	Intel® integrated ICH10DO with Realtek ALC888 HD Audio
LAN Interface	2 x Intel® 82574L Gigabit LAN
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCI slot, 1 x Mini-PCI socket support Mini-PCI Type-III A
Internal I/O Port	1 x RS-232, 1 x Slim FDD, 1 x GPIO, 1 x CDIN, 1 x SMBUS, 1 x Audio 1 x IrDA, 4 x USB, 1 x LVDS, 1 x LCD inverter connector (Optional) 1 x CRT (Optional), and 2 x DVI (Optional)
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 1x Audio
Power Requirement	Standard P4 4-pin 12V and 24-pin ATX power supply (20-pin is compatible)
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code

LV-67AD	Onboard VGA, 2 x Intel® Gigabit LAN, 8 x USB2.0, Mini-PCI, PCI, 4 x serial Port, 1 x FDD Realtek ALC888 HD Audio, 6 x SATA , 1 x IrDA , 1x DVI Interface
LV-67AD2	Same as LV-67AD with secondary DVI Interface
LV-67AX	Same as LV-67AD with 18/24-bits LVDS instead of DVI
LV-67AT	Same as LV-67AD with secondary CRT instead of DVI
MP-6421	Mini PCI with one 44-pin Ultra DMA 33 IDE interface supports up to 2 ATAPI devices 1 x Compact Flash Type II and 2 x serial ATA interface

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

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