

# Industrial Single Board Computer

## Mini-ITX Motherboard

### LV-67J

Support 3rd Generation Intel® Core™ i7/ i5/ i3/  
Onboard VGA, DVI, HD Audio, Serial ATA,  
Intel® Gigabit LAN PCIE X16, PCIE Minicard, Mini PCI



<b>Form Factor</b>	Mini-ITX motherboard
<b>CPU</b>	Supports 3rd Generation Intel® Core™ i7/ i5/ i3/Celeron® Desktop Processor. Package type: FCLGA1155
<b>Memory</b>	Two DDR3 1066/1333 DIMM up to 16GB
<b>Chipset</b>	Intel® BD82Q77 PCH
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Power Management</b>	ACPI 1.0 compliant, supports power saving mode
<b>Serial ATA Interface</b>	Intel® Q77 PCH built-in 2 x Serial ATAII interface up to 300MB/s & 2 x Serial ATAIII interface up to 600MB/s Support RAID 0, 1, 5, 10 and Intel Rapid Storage Technology.
<b>VGA Interface</b>	Intel® Clear Video integrated HD Graphics Technology
<b>DVI Interface</b>	Onboard DVI with 20-pin connector
<b>Audio Interface</b>	Intel® integrated Q77 with Realtek ALC888 HD Audio.
<b>LAN Interface</b>	1 x Intel® 82574L Gigabit LAN & 1 x Intel® 82579LM Gigabit LAN
<b>GPIO interface</b>	Onboard programmable 8-bit Digital I/O interface.
<b>Extended Interface</b>	One PCIE X 16 Gen3 slot, One Mini PCI socket, One PCIE Mini card Support mSATA or Mini_Card for option
<b>Internal I/O Port</b>	1 x RS232/422/485, 1 x GPIO port, 1 x CDIN connector, 1 x Audio connector, 1 x IrDA connector, 1 x SMBUS connector and 4 x USB ports,
<b>External I/O Port</b>	1 x PS/2 Keyboard/Mouse Port, 2 x RJ45 LAN ports, 1 x DB15 VGA port, 4 x USB3.0 ports and 3 x Serial Port.
<b>External Audio</b>	Line-in, MIC-in, Front, Rear, Center/Subwoofer and Optical SPDIF outputs.
<b>Power Requirement</b>	Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V
<b>Dimension</b>	170mm x 170mm (L x W)
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Ordering Code

<b>LV-67J</b>	Onboard VGA, DVI, 2 x Gigabit LAN, 4 x USB2.0, 4 x USB3.0, 4 x serial Port, 4 x SATA, 1 x IrDA, Realtek HD Audio, Mini-PCI, PCIE Minicard, PCIE x16.
<b>LV-67JS</b>	Onboard VGA, DVI, 2 x Gigabit LAN, 4 x USB2.0, 4 x USB3.0, 4 x serial Port, 4 x SATA, 1 x IrDA, Realtek HD Audio, Mini-PCI, PCIE x16, <b>mSATA</b> .

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

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