

# Industrial Single Board Computer

## Mini-ITX motherboard LV-67F



Support Intel® Core™ i7, Core™ i5 and Core™ i3 CPU with DDRIII  
SO-DIMM, CRT, LVDS, Gigabit LAN, PCIE x16, Mini PCI, PCI Express  
mini card, Serial ATAI, 7.1Channel HD Audio, SPDIF

|                             |  |
|-----------------------------|--|
| <b>Form Factor</b>          | Mini-ITX motherboard   |
| <b>CPU</b>                  | Intel® Core™ i7, Core™ i5, Core™ i3, Celeron®, and Pentium® Mobile Processor<br>Package type: rPGA988A   |
| <b>Memory</b>               | 2 x DDRIII SO-DIMM 800/1066 MHz up to 8GB  |
| <b>Chipset</b>              | Intel QM57   |
| <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>     | Supports ACPI 2.0 compliant.   |
| <b>Serial ATA Interface</b> | 6 x serial ATAI interface with 300MB/s transfer rate   |
| <b>VGA Interface</b>        | Onboard VGA (depending on CPU)<br>Optional Secondary CRT Connector (LV-67FXT)  |
| <b>LVDS Interface</b>       | Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply  |
| <b>DVI interface</b>        | Optional DVI interface (LV-67FXD)  |
| <b>Audio Interface</b>      | Realtek ALC888 HD Audio  |
| <b>LAN Interface</b>        | 2 x Intel 82574L Gigabit LAN   |
| <b>GPIO Interface</b>       | Onboard programmable 8-bit Digital I/O interface   |
| <b>Extended Interface</b>   | 1 x PCIE x16 slot, 1 x Mini PCIE socket, 1 x Mini PCI socket to support Mini PCI Type IIIA   |
| <b>Internal I/O Port</b>    | 1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 4 x USB ports, 1 x IrDA, 1 x LVDS,<br>6 x Serial ATA, 1 x LCD inverter, 1 x Front panel Audio and 1 x CDIN     |
| <b>External I/O Port</b>    | 1 x PS/2, 2 x LAN ports, 1 x VGA port, 6 x USB2.0 ports, 1 x RS232 port,<br>1 x SPDIF and 7.1Channel Audio   |
| <b>Power Requirement</b>    | Standard 20-pin ATX power supply or 9~24V full range DC Input ( 8~30V operational )<br><b>Note: PCIE graphics card not supported in DC input mode.</b> |
| <b>Dimension</b>            | 170mm x 170mm  |
| <b>Temperature</b>          | Operating within 0~60 centigrade<br>Storage within -20~85 centigrade   |

| Ordering Code |   |
|---------------|---|
| LV-67FX       | Intel PGA988+ QM57 Onboard VGA, LVDS, LAN, USB2.0, HD Audio, SATA, SMBUS<br>PCIE x16, Mini PCI and PCI Express mini card. |
| LV-67FXD      | Same as LV-67FX with 1x DVI Interface   |
| LV-67FXT      | Same as LV-67FX with secondary CRT  |
| MPX-7202      | PCI Express mini card supports 2 x USB 3.0 provides up to 4.8Gbps of transferring rate.                                   |
| MPX-643       | PCI Express mini card supports 1 x IEEE1394A and 2 x IEEE1394B  |

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