

# 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

Form Factor	Mini-ITX motherboard
CPU	Intel® Core™ i7, Core™ i5, Core™ i3, Celeron®, and Pentium® Mobile Processor Package type: rPGA988A
Memory	2 x DDRIII SO-DIMM 800/1066 MHz up to 8GB
Chipset	Intel QM57
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	Supports ACPI 2.0 compliant.
Serial ATA Interface	6 x serial ATAI interface with 300MB/s transfer rate
VGA Interface	Onboard VGA (depend on CPU) Optional Secondary CRT Connector (LV-67FXT)
LVDS Interface	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
DVI interface	Optional DVI interface (LV-67FXD)
Audio Interface	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 PCIE x16 slot, 1 x Mini PCIE 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, 4 x USB ports, 1 x IrDA, 1 x LVDS, 6 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 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 ) <b>Note: It won't support PCIE x16 graphic card if use DC input mode.</b>
Dimension	170mm x 170mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code	
LV-67FX	Intel PGA988+ QM57 Onboard VGA, LVDS, LAN, USB2.0, HD Audio, SATA, SMBUS 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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