

Industrial Single Board Computer

3.5" Miniboard

LS-377

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



Form Factor	3.5" Miniboard
CPU	Intel® Core™ i7, Core™ i5, Core™ i3, Celeron®, and Pentium® Mobile Processor Package type: rPGA988A
Memory	1 x DDRIII SO-DIMM 800/1066 MHz up to 4GB
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	2 x serial ATAll interface with 300MB/s transfer rate
VGA Interface	Onboard VGA (depends on CPU)
LVDS Interface	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
DVI Interface	DVI interface
Audio Interface	Realtek ALC888 HD Audio
LAN Interface	1 x Intel 82574L Gigabit LAN
GPIO Interface	Onboard programmable 8-bit Digital I/O interface
Expansion Interfaces	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, 1 x DVI, 1 x LCD, 2 x Serial ATA, 1 x LCD Inverter, 1 x HD Audio, 1 x DIO, 1 x DCOUT and 1 x CDIN
External I/O Port	1 x PS/2, 1 x LAN ports, 1 x VGA port, 2 x USB2.0 ports, 1 x RS232 port
Power Requirement	9~24V full range DC Input
Dimension	146mm x 101mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade
Ordering Code	
LS-377Q	Intel PGA988 + QM57 Onboard VGA, LVDS, LAN, USB2.0, HD Audio, SATA, SMBUS,DVI Mini PCI and PCI Express mini card.
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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