

Industrial Single Board Computer

3.5 inch Miniboard

LS-378

Support 2nd Generation Intel® Core™ i7, Core™ i5 and Core™ i3 CPU
with DDRIII SO-DIMM, CRT, DVI, LVDS, Gigabit LAN,
PCI Express mini card, Serial ATAIII, HD Audio



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|-----------------------------|---|
| Form Factor | 3.5 inch Miniboard |
| CPU | 2 nd Generation Intel® Core™ i7, Core™ i5, Core™ i3 and Celeron® Mobile Processor Package type: rPGA988B |
| Memory | DDRIII SO-DIMM 1066/1333/1600 MHz up to 8GB Non-ECC, unbuffered memory supported only |
| Chipset | Intel QM67 |
| 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 ATAIII interface with 600MB/s transfer rate |
| VGA Interface | Onboard DSUB15 connector for VGA interface |
| LVDS Interface | Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply |
| DVI interface | Chrontel CH7318 Transmitter with 26-pin DVI connector |
| Audio Interface | Realtek ALC888 HD Audio |
| LAN Interface | 1 x Intel 82579LM Gigabit LAN |
| GPIO Interface | Onboard programmable 8-bit Digital I/O interface |
| Extended Interface | 2 x Mini PCIE socket, 1 x SIM socket |
| Internal I/O Port | 1 x RS232/422/485, 1 x SMBUS, 1 x GPIO, 4 x USB ports, 1 x IrDA, 1 x DVI , 1 x LVDS, 1 x LCD inverter, 2 x Serial ATAIII, 1 x Front panel Audio 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 and 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-378DXT | Intel PGA988B+ QM67 Onboard VGA, DVI, LVDS, LAN, USB2.0, HD Audio, SATA, SMBUS, GPIO , SIM and PCI Express mini card. |

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