

Industrial Single Board Computer

Micro ATX motherboard

MS-C71



Support Intel® Core™ i7, Core™ i5 and Core™ i3 CPU with DDRIII

SO-DIMM, CRT, LVDS, Gigabit LAN, PCIE x16, PCIE x4, 2 x PCI, Mini PCI,

PCI Express mini card, Serial ATAI, 7.1Channel HD Audio, SPDIF, 6 x COM

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| Form Factor | Micro ATX 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 2 x serial ATAI interface with 150MB/s. |
| Solid State Disk | IDE supports 40-Pin Disk On Module with +5V power supply ,One Compact Flash Type II |
| VGA Interface | Onboard VGA (depend on CPU) Optional Secondary CRT Connector (MS-C71XT) |
| LVDS Interface | Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply |
| DVI interface | Optional DVI interface (MS-C71XD) |
| 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 PCIE x4 slot, 1 x Mini PCIE socket, 2 x PCI slot 1 x Mini PCI socket to support Mini PCI Type IIIA |
| Internal I/O Port | 3x RS232, 1 x SMBUS, 1 x GPIO, 8 x USB 2.0, 1 x IrDA, 1 x LVDS,1 x LPT 8 x Serial ATA, 1 x LCD inverter, 1 x Front panel Audio and 1 x CDIN |
| External I/O Port | 2 x RS232, 1 x RS232/422/485, 2 x LAN, 1 x VGA, 1 x PS/2, 4 x USB 2.0 1 x SPDIF, 1x Audio |
| Power Requirement | Standard 24pin ATX power supply o |
| Dimension | 244mm x 244mm |
| Temperature | Operating within 0~60 centigrade Storage within -20~85 centigrade |

Ordering Code

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| MS-C71X | Intel PGA988+ QM57 Onboard VGA, LVDS, LAN, USB2.0, HD Audio, SATA, SMBUS PCIE x16, 6 COM, Mini PCI and PCI Express mini card. |
| MS-C71XD | Same as MS-C71X with 1x DVI Interface |
| MS-C71XT | Same as MS-C71X with secondary CRT |
| MPX-7202 | PCI Express mini card supports 2 x USB 3.0 provides up to 4.8Gbps of transferring rate. |

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