

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

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

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.

