

Industrial Single Board Computer

Micro ATX Motherboard

MS-C75

Support 3rd Generation Intel® Core™ i7, Core™ i5 and Core™ i3 CPU
with DDRIII SO-DIMM, CRT, DVI, LVDS, Gigabit LAN, USB2.0, USB3.0
SATAII, SATAIII, PCI, Mini PCI, PCIe x16/x4 slot, PCIe mini card and mSATA



Form Factor	Micro ATX motherboard
CPU	3 rd Generation Intel® Core™ i7, Core™ i5, Core™ i3 and Celeron® Mobile Processor Package type: rPGA988B
Memory	2 x DDRIII SO-DIMM 1066/1333/1600 MHz up to 16GB Support Non-ECC, unbuffered memory only
Chipset	Intel QM77
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 3.0 compliant
Serial ATA Interface	4 x serial ATAII interface with 300MB/s transfer rate 2 x serial ATAIII interface with 600MB/s transfer rate Support RAID 0, 1, 5, 10 and Intel Rapid Storage Technology
Integrated Graphics	Intel® HD Graphics 4000/2500 Technology
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	Onboard DVI with 20-pin connector
Audio Interface	Realtek ALC888 HD Audio
LAN Interface	1 x Intel 82579LM Gigabit LAN (Support iAMT8.0) 1 x Intel 82574L Gigabit LAN
GPIO Interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x PCIe x16/x4 slot, 1 x PCIe mini card socket, 2 x PCI slot , 1 x Mini PCI socket (Optional support mSATA(SATAII) for Mini_Card1, but SATA6 will be disable)
Internal I/O Port	3 x RS232, 1 x SMBUS, 1 x GPIO, 6 x USB2.0 ports, 1 x IrDA, 1 x DVI , 1 x LVDS, 4 x Serial ATAII, 2 x Serial ATAIII, 1 x Parallel port, 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, 4 x USB3.0 ports, 1 x RS232/422/485, 2 x RS232, 1 x SPDIF and 1 x 2 Channel HD Audio
Power Requirement	Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V
Dimension	244mm x 244mm
Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

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Ordering Code

MS-C75TXD	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, GPIO, IrDA, PCI, Mini PCI, PCIE x16/x4 and PCI Express mini card
MS-C75TXDS	Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, GPIO, IrDA, PCI, Mini PCI, PCIE x16/x4 and mSATA

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