

# Industrial Single Board Computer

## Micro ATX Motherboard

### MS-C75

Support 3<sup>rd</sup> 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



<b>Form Factor</b>	Micro ATX motherboard
<b>CPU</b>	3 <sup>rd</sup> Generation Intel® Core™ i7, Core™ i5, Core™ i3 and Celeron® Mobile Processor Package type: rPGA988B
<b>Memory</b>	2 x DDRIII SO-DIMM 1066/1333/1600 MHz up to 16GB
<b>Chipset</b>	Intel QM77
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1min/s ~ 255min/s
<b>Power Management</b>	Supports ACPI 3.0 compliant
<b>Serial ATA Interface</b>	4 x serial ATAII interface with 300MB/s transfer rate 2 x serial ATAIII interface with 600MB/s transfer rate
<b>Integrated Graphics</b>	Intel® HD Graphics 4000/2500 Technology
<b>VGA Interface</b>	Onboard DSUB15 connector for VGA interface
<b>LVDS Interface</b>	Onboard 24-bit dual channel LVDS connector with +3.3V/+5V/+12V supply
<b>DVI interface</b>	Onboard DVI with 20-pin connector
<b>Audio Interface</b>	Realtek ALC888 HD Audio
<b>LAN Interface</b>	1 x Intel 82579LM Gigabit LAN 1 x Intel 82574L Gigabit LAN
<b>GPIO Interface</b>	Onboard programmable 8-bit Digital I/O interface
<b>Extended Interface</b>	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)
<b>Internal I/O Port</b>	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
<b>External I/O Port</b>	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
<b>Power Requirement</b>	Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V
<b>Dimension</b>	244mm x 244mm
<b>Temperature</b>	Operating within 0~60 centigrade Storage within -20~85 centigrade

#### Taiwan Commate Computer Inc.

19F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website: [www.commell.com.tw](http://www.commell.com.tw)

FAX: +886-2-26963911

E-mail: [info@commell.com.tw](mailto:info@commell.com.tw)



Stage For Your Success

## Ordering Code

### MS-C75TXD

Intel PGA988B+ QM77 Onboard VGA, LVDS, DVI, LAN, USB2.0, USB3.0, HD Audio, SATAII ,SATAIII, SMBUS, LPC, SIM, 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, SIM, GPIO, IrDA, PCI, Mini PCI, PCIE x16/x4 and **mSATA**

#### Taiwan Commate Computer Inc.

19F, NO. 94, Sec. 1, Shin Tai Wu Rd., Hsi Chih, Taipei Shien, Taiwan.

TEL: +886-2-26963909

Website:[www.commell.com.tw](http://www.commell.com.tw)

FAX: +886-2-26963911

E-mail:[info@commell.com.tw](mailto:info@commell.com.tw)



Stage For Your Success