

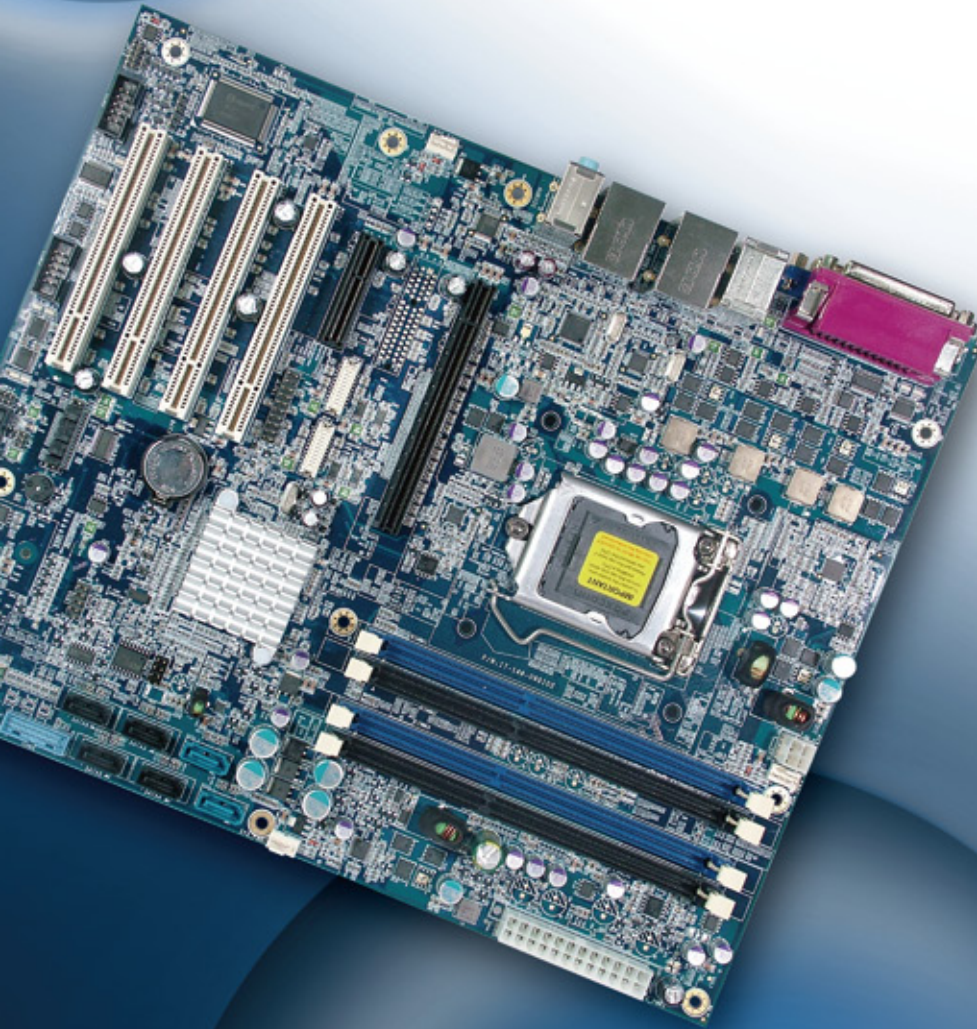
# SBC

## IPC-MP891

ATX MB Supports Intel® 3rd Gen. Core™ i7/i5/i3 and Pentium® CPU with VGA/ DP/ Audio/ 4COM/ 2LAN

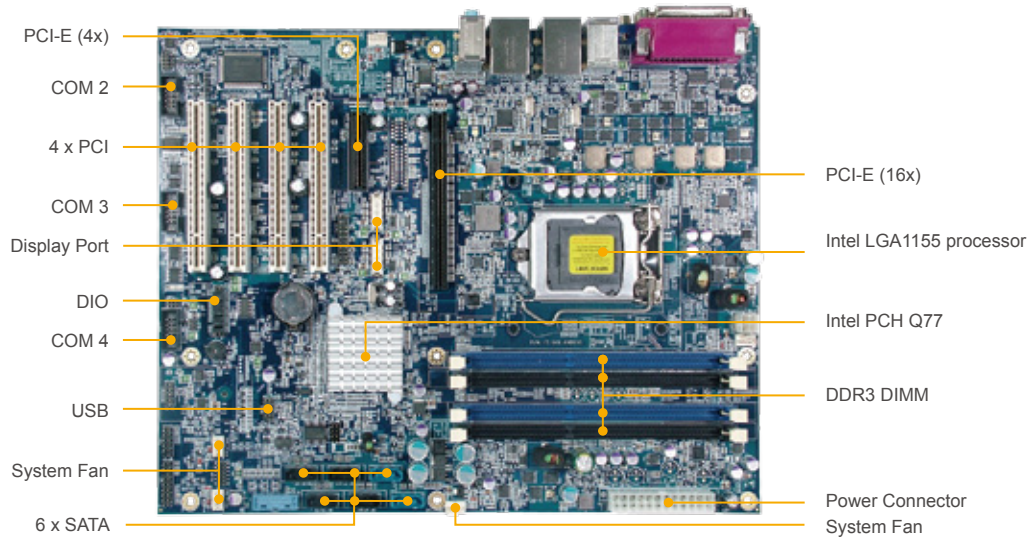
### Features :

- LGA 1155 Intel® 3rd Gen. Core™ i7/i5/i3/Pentium® Processor
- Equipped with Intel® Q77 Chipset
- Memory supports four DDR3 DIMM socket 1333/1600 up to 32GB
- Support Dual Gigabit Ethernet
- Support SATA RAID 0, 1, 5, 10
- Expansion Slots for one PCI-E(16x), one PCI-E(4x), four PCI slot
- Support USB 3.0



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## ATX MB Supports Intel® 3rd Gen. Core™ i7/i5/i3 and Pentium® CPU with VGA/ DP/ Audio/ 4COM/ 2LAN



### Specifications

System	
<b>CPU Support</b>	Intel® 3rd Gen. Core™ i7/i5/i3 and Pentium® Processor
<b>CPU Frequency</b>	3.0~3.4GHz
<b>Chipset</b>	Intel® PCH Q77
<b>DRAM</b>	4 x 240-pin DDR3 DIMM, support dual -channel 1333/1600Hz SDRAM Non-ECC Unbuffered DIMM (system max. 32GB)
<b>BIOS</b>	AMI BIOS
<b>Watchdog</b>	1~255 secs Watchdog timer selectable
<b>Power Supply</b>	Support ATX Power
<b>Power Requirement</b>	+5V, +12V, -12V, +3.3V, +5VSB
<b>Dimension</b>	305 mm x 244 mm (12" x 9.6")
<b>Certificate</b>	FCC / CE

### I/O Chipset

<b>SATA Interface</b>	2 x SATA III (6.0Gb/s), 4 x SATA II (3.0Gb/s), (Raid 0, 1, 10, 5)
<b>Expansion BUS</b>	1 x PCI-E(16x) , 1 x PCI-E(4x) , 4 x PCI slot
<b>TPM</b>	TPM1.2 with 20-pin header on board for TPM (Trusted Platform Module)
<b>Serial Port</b>	4 x COM port, COM 1/3/4 for RS-232, COM 2 for RS-232/422/485
<b>Parallel Port</b>	1 x parallel port (SPP/EPP/ECP)
<b>IrDA</b>	1 (SIR)

<b>Keyboard</b>	PS/2 Connector, with mini DIN connector
<b>Mouse</b>	PS/2 Connector, with mini DIN connector
<b>LAN</b>	LAN 1: Intel® 82579LM (10/100/1000 Mbps) LAN 2: Intel® 82574L x1 (Option: 82583V) Support Wake-on-LAN with ATX power
<b>Audio</b>	High Definition Audio; Realtek ALC888S with Mic / Line-In / Line-Out
<b>DI/O</b>	8 in / 8 out
<b>USB</b>	10 x USB 2.0, 2 x USB 3.0

### Display

<b>Graphics</b>	Build-in processor, share system memory Support VGA, Display port
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\*Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

### Environment

<b>Operation Temp.</b>	0° ~ 60° C ( 32° ~ 140° F )
<b>Storage Temp.</b>	- 40° ~ 85° C ( - 40° ~ 185° F )
<b>Humidity</b>	Operation humidity 5 ~ 90% (non-condensing)

\*All information contained in this document is subject to change without prior notice. Please log on [www.protech.com.tw](http://www.protech.com.tw) to acquire latest information.

### Ordering Information

<b>IPC-MP891</b>	ATX MB with Intel® Core™ i7/i5/i3/Pentium® Processor (LGA1155)+Q77, DDR3/VGA/2DP/ Audio/2LAN /4COM/Raid
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