![MSI logo]

**B3 Stepping Ready**
**Supports Intel inside CORE**
**intel CHIPSET Z68 inside**

## MAINBOARD
# Z68MA-G45 (G3)

· Support for Intel® Core™ i7 / Core™ i5 / Core™ i3 / Pentium® / Celeron® processor in an LGA 1155 socket
· Support DDR3- 2133(OC) MHz
· SATA 6Gb/s + USB 3.0

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## Key Features

### World's 1st PCI Express Gen 3

● 2X bandwidth up to 32GB/s
● Increased efficiency and compatibility
● Extreme performance for current and next gen PCI Express cards

![PCI Express Gen 3 World's 1st logo]

PCI Express 2.0 (16GB/s)
PCI Express 3.0 (32GB/s)
**2X Bandwidth**

**PCI Express x16 Bandwidth** (Higher is better)

### World's 1st ClickBIOS II

● Provides a consistent user interface both in the UEFI BIOS and in Windows
● Graphical User Interface, with touchscreen support
● Simply click or touch and move to change settings
● Full system control, including overclocking, security and information

![Click BIOS II logo]

![UEFI BIOS Windows screenshot]

### OC Genie II

● **457%** HDD performance gains
● 145% 3D gaming power gains
● Amazing overall system boost in one second

![OC Genie II 1 Sec Overclocking logo]

Default
ISRT Enable
OC Genie II + ISRT Enable
**457%**

HDD Performance (PCMark Vantage)

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## Specifications

![Z68MA-G45 motherboard and rear I/O panel images]

| | |
|---|---|
| Processor | Intel 2nd generation Core i7/ i5/ i3 series processor in LGA 1155 socket |
| Chipset | Intel Z68(B3) express chipset |
| Memory | · 4 DIMMs support for DDR3-2133(OC)/ 1866(OC)/ 1600(OC)/ 1333/ 1066MHz up to 32GB max |
| Video | · **2 x PCI-E 3.0 x16 slots** <br> · Supports Intel HD Graphics 3000/2000 with HDMI / DVI / D-sub Video ports <br> · Support AMD CrossFireX™ & NVIDIA® SLI™ Technology |
| Audio | · 8-channel (7.1) HD Audio subsystem with S/PDIF out |
| LAN | · 10/100/1000 Mb/s LAN subsystem |
| Peripheral interfaces | · 4 x SATA 3Gb/s ports from Z68 with RAID support <br> · 2 x SATA 6Gb/s ports from Z68 with RAID support <br> · 12 x USB 2.0 ports (6 external / 6 internal) <br> · 2 x USB 3.0 ports <br> · 2 x PCI-E x1 slots |