



**Industrial ATX Motherboard
supports LGA1150 Intel® Core™
i7/ i5/ i3 Intel® Q87 PCH, USB
3.0, SATA 3.0, Dual LAN,
DisplayPort/VGA/HDMI and
PCIe Mini Card**



Features

- LGA1150 socket supports Intel® Core™ i7/ i5/ i3 processors
- (4) DDR3 1333/1600 MHz up to 32GB
- DisplayPort/VGA/HDMI multi-outputs

CPU

- LGA1150 socket supports Intel® Core™ i7/ i5/ i3 processors

Chipset

- Intel® Q87 PCH

System Memory

- (4) 240-pin DDR3 1333/1600 DIMM up to 32GB

Display Interface

- Intel® HD 4600/2500 Graphics
- (1) HDMI, (1) VGA and (1) DisplayPort

Audio

- Built-in HD Audio Codec

Ethernet

- 1st Gigabit LAN supports Wake-on-LAN, PXE Boot ROM, iAMT with Intel® i210AT
- 2nd Gigabit LAN supports Wake-on-LAN, PXE Boot ROM with Intel® i217LM

TPM

- TPM header support optional controller

I/O Interface

- (4) RS232 & (2) RS232/422/485 serial ports
- (4) USB 3.0 and (10) USB 2.0 ports
- (1) 8-bit digital I/O interface
- (5) SATA-600 support RAID 0/1/5/10
- (1) mSATA socket

Onboard Expansion

- 1 x PCIe x16 Gen3
- 1 x PCIe x4 Gen2
- 1 x PCIe x1 Gen2
- 4 x PCI

Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10 % ~ 95 %

Dimension

- 305mm x 244mm x 1.6mm

Ordering Information

MBC-6510A2GPR LGA1150 Socket 4th Generation Intel® Core™ i7/ i5/ i3 processors, Intel® Q87 PCH, USB 3.0, SATA 3.0, Dual LAN, DP/ VGA/ HDMI and mSATA