Features

Operating system

Windows® 8 Multi/Single Language x64, FreeDOS and Linpus X-windows

Processor

- Socket Type : Intel LGA1150 socket
- Processor Type: Intel Core i5, Intel Core i7 Haswell

Chipset

The Intel B85 is with proven reliability and performance.

- Intel B85

Memory

- Memory Type : Supports DDR3 1600/1333 DDRIII SDRAM with Dual-channel architecture
- Socket Type : un-buffered 240 pin DIMM socket
- DIMM Slot : 4
- Memory Size Max. : Up to 32 GB

Graphics

- Onboard graphic solution: Intel B85
- One VGA(D-sub) , DP and HDMI ports on rear

Expansion Options

The motherboard comes with the following expansion options:

- One PCI Express x1 slot
- One PCI Express x16 slot
- Four 7-pin SATA connectors **Serial ATA**
    - Transfer rate support: maximum transfer rate up to 6.0 Gb/s each
    - Storage type support : HDD/CD-ROM/DVD-ROM/DVD-RW/DVD+RW/DVD Dual/DVD SuperMultiPlus/HD DVD/BlueRay DVD.

Audio

- Audio Type : 5.1 channel High Definition Codec
- Audio Controller /Codec : Realtek ALC662-VD
- Software selectable 2.5V/3.75V VREFOUT
- All DACs support 96K/48K/44.1KHz sample rate
- Meets Microsoft WHQL/WLP 3.10 Vista premium and mobile PCs audio requirements
- Direct Sound 3D^{TM} compatible
- Audio Connectors/Headers:
    - Rear 3 jack line-in, line-out and microphone-in
    - Microphone In
    - Headphone Out
    - CD-In

LAN

- Type : Intel Clarkville-V I217 LAN controller
- Supports Giga Ethernet environment

USB

- Controller : Intel B85
- USB Type : 2.0/1.1
- Connectors Quantity: 4
  - Real Panel : 2
  - Front panel: 2 (Some specific models are configured with 4 front USB ports).
- USB Type : 3.0
- Connectors Quantity: 4
  - Real Panel : 2
  - Front panel: 2

BIOS

- BIOS Type : 64Mbit/8M Bytes SPI Flash BIOS

Integrated I/O

The motherboard comes with the following expansion options:

- Two PS/2 ports for mouse and keyboard
- One VGA port
- One HDMI port
- One DP port
- Eight USB ports (Four USB 2.0 and Four USB 3.0)
- One LAN port
- Audio jacks for microphone, line-in and line-out

BIOS Firmware

The motherboard uses AMI BIOS that enables users to configure many system features including the
following:

- Power management
- Wake-up alarms
- CPU parameters
- CPU and memory timing
- Graphic parameters

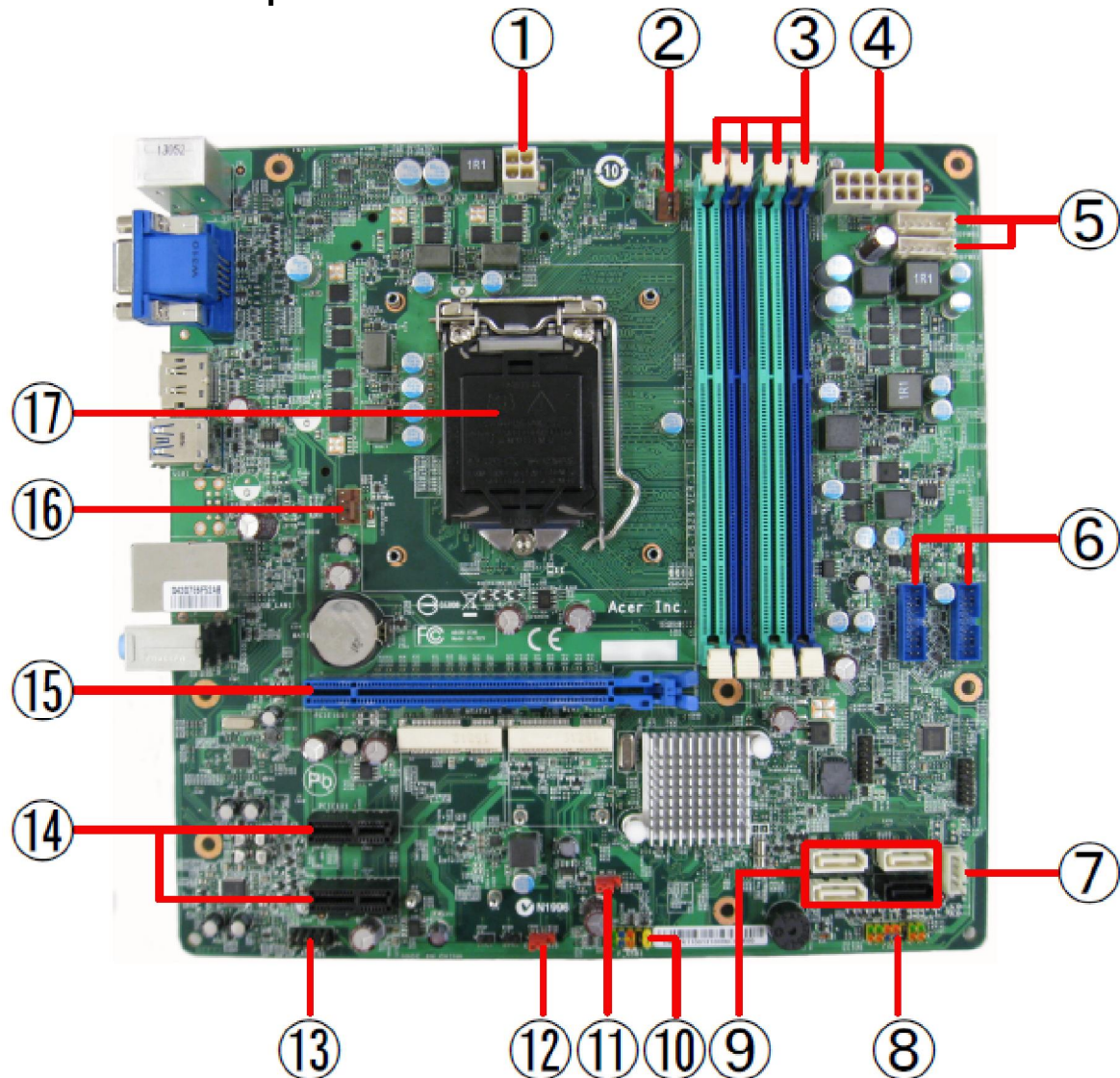The firmware can also be used to set parameters for different processor clock speeds.

*1. Some hardware specifications and software items are subject to change
without prior notice.*

*2. Due to chipset limitation, we recommend that motherboard be operated
in the ambiance between 0 and 50 ° C.*

Dimensions and weight

- 436 (H) x 407(D) x 180(W) mm
- 12Kg

Mainboard Components

No	Label	Component
1	ATX_12V	Auxiliary 4-pin power connector
2	CPU_FAN	4-pin CPU cooling fan connector
3	DIMM1~4	240-Pin DDR3 SDRAM slots
4	ATX_POWER1	Standard 12-pin ATX power connector
5	HDDPWR1~2	SATA power connectors
6	F_USB2~3	Front panel USB 3.0 connector
7	WIFI_BT_LED1	Display WIFI and BT LED
8	F_PANEL1	Front panel switch/LED header
9	SATA1~4	Serial ATA 3.0Gb/s connectors
10	F_USB1	Front panel USB 2.0 headers
11	ME_DIS	ME Disable header with jumper
12	CLR_CMOS	Clear CMOS header with jumper
13	F_AUDIO1	Front panel audio header

No	Label	Component
14	PCIE1X1~2	PCI Express x1 slots
15	PCIE16X1	PCI Express x16 slot
16	SYSFAN1	System cooling fan connector
17	CPU	Supports the LGA1150 socket for Intel® Haswell Processor

" stands for optional components.