



## Features:

- Adopt high-density PCB laminate structure to fully ensure signal shielding and improve system stability
- Interface anti-static design, effectively protect the core components of the system and enhance system reliability
- Snap-on interface design improves interface connection reliability and facilitates system maintenance
- Optimized expansion slot layout to adapt to expansion applications in different industries

## Specifications:

### Hardware Specifications

Processor	Supports Intel LGA1150 Gen4 i3/i5/i7 CPU, supports Pentium®/Celeron® CPU	RAM	4×240PIN DDR3 1333/1600MHz DIMM memory slots, single 8GB, maximum support 32GB
Chipset	Intel® B85	Watchdog	255 levels, programmable sec/min, support timeout interrupt or system reset
Memory	Provide 5 x SATA ports (4 x SATA3.0+1 x SATA2.0), 1 x optional mSATA/Mini-PCIe port	Power Supply	Adopt ATX power supply, support S0, S1, S4, S5

### I/O Ports

Display Interface	1×DVI-D, 1×VGA, 1×HD, support independent dual display and triple display output; VGA supports maximum resolution 1920×2000@60HZ, 32bit color depth, DVI supports maximum resolution 1920×1200@60HZ	I/O Ports	6×COM, of which COM1/COM2 supports RS-232/RS422/RS485 mode selection 8×USB2.0 ports, 4×USB3.0 ports are provided on the rear panel 1×PS/2 keyboard, mouse interface 1×8 digital I/O interface 1×LPT interface
Expansion Bus	1×PCIe x16 slot, support PCIe 3.0 specification; 2 x PCIe x4 slots (one of which supports PCIe x1 signals), supports PCIe 2.0 specifications; 4 x 32-bit PCI slots, supports PCI Rev2.3 standard	Audio	Adopt HDA standard, support rear panel Mic-in, Line-in, Line-out
		LAN	Provide 2×10/100/1000Mbps network interface



## Environmental specifications

Operating temp. -10°C~60°C; 5%~95% (non-condensing state) Storage temp. -20°C~80°C, 5%~95% (non-condensing state)

## Mechanical

Dimensions (LxW) 305mm\*244mm

## Ordering Information

ATX-GSB85K ATX Industrial Motherboard/Intel® B85 Platform/Support Gen4 i3/i5/i7 CPU, Support Pentium® /Celeron® /4×DDR3 DIMM Maximum Support 32GB Memory/VGA+DVI+HD Triple Display/5×SATA/Dual Intel® Thousand Mega Ethernet port/8×USB2.0/4×USB3.0/6×COM (COM1&2 support 232/422/485) /1×LPT/PS2 mouse and keyboard interface/HD Audio/1×8bit GPIO/4×standard PCI Slot/1×PCIe x1/ 1×PCIe x4/1×PCIe x16/1×mSATA slot can be configured as Mini-PCIe/standard ATX power supply

## OS & Software Support

Standard OS Ubuntu11.04  
Red Hat® Enterprise Linux® 32 ,64  
Windows XP, 7 SP1, 8, 8.1, 10  
WES 7

## Dimensions:

