



Features:

- Adopt high-density PCB laminate structure to fully ensure signal shielding and improve system stability
- Snap-on interface design improves interface connection reliability and facilitates system maintenance
- Provide on-board encryption scheme (optional), which can realize software and hardware binding or key data storage and encryption
- Using Intel network chip to ensure high-speed and stable data transmission

Specifications:

Hardware Specifications

Processor	Support Intel® LGA1151 Gen6/7/8/9th i3/i5/i7 CPU, support Pentium®/Celeron® CPU	RAM	Can provide 4*288PIN DDR4 2133/2400MHz/2666MHz DIMM memory slot, single 16GB, maximum support 64GB, 2400MHz requires intel 7th generation kabylake CPU support, 2666MHz requires 8th/9th generation coffelake CPU support
Chipset	Intel® B365	Watchdog	255 levels, programmable sec/min, support timeout interrupt or system reset
Memory	Provide 6*SATA interface (support SATA3.0 standard, support 5 by default, maximum transfer rate 6Gb/s, support RAID 0, 1, 5, 10), 1*M.2 (PCIEx4 nVME) interface (supports M-key 22110, 2280, 2260, 2242) and PCIe2 x4 with a common channel: M.2 and PCIe2 each occupy 2 channels by default, and can be adjusted by jumping caps SEL1 and SEL2 Number of channels occupied	Power Supply	Adopt ATX power supply, support S0, S1, S4, S5

I/O Ports

Display Interface	1*DVI, 1*VGA, 1*HD, support independent dual display output; VGA supports maximum resolution 1920×1200@60HZ, 32bit color depth	I/O Ports	6*COM, expandable to 10 RS232, among which COM1/COM2 supports RS-232/RS422/RS485 mode selection
Audio	Adopt HDA standard, support rear panel Mic-in, Line-in, Line-out		8*USB2.0 ports, 6*USB3.0 ports are provided on the rear panel
Expansion Bus	Provide 1*PCIe x16 slot, support PCIe3.0 specification;3*PCIe x4 slot (PCIe x4 signal), support PCIe3.0 specification;3*32-bit PCI slots, support PCI Rev2.3 standard (the slot PCIe2 x4 and M.2 share the same channel;)		1*PS/2 keyboard/mouse interface 1*8 digital I/O interface, 1*LPT interface
		LAN 4G+LTE	Provide 2*10/100/1000Mbps network interface Mini PCIe + Micro SIM card Slot

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-GSB365K ATX structure single board/Intel® B365 chipset/support Gen6/7/8/9th i3/i5/i7 CPU, support Pentium® /Celeron® /4×DDR4 DIMM memory slot, total support 64GB memory/VGA/HD/DVI /5×SATA/1×M.2/2×Gigabit LAN/8×USB2.0,6×USB3.0/6×COM port/1×parallel port/2×PS/2/HD Audio/1×8 bit GPIO/3×standard PCI slots/3×PCIe x4/1×PCIe x16/standard ATX power supply

OS & Software Support

Standard OS
 Ubuntu15.1
 Red Hat® Enterprise Linux® 32 ,64
 Win7 SP1, 8.1, 10
 WES 7

Dimensions:

