



Features:

- Adopt high-density PCB laminate structure to fully ensure signal shielding and improve system stability
- Built-in digital display expansion interface, can expand LVDS, VGA, eDP and other standard display interfaces according to product application requirements
- Provide on-board encryption scheme (optional), which can realize software and hardware binding or key data storage and encryption

Specifications:

Hardware Specifications

Processor	Support Intel® LGA1151 Gen6/7 i3/i5/i7 CPU, support Pentium®/Celeron® CPU	RAM	Provide 2 × 288PIN DDR4 2133/2400MHz DIMM memory slots, single 16GB, maximum support 32GB
Chipset	Intel® H110	Watchdog	255 levels, programmable sec/min, support timeout interrupt or system reset
Memory	Provide 4 x SATA interface (support SATA3.0 standard, default support 3), 1 x mSATA/Mini-PCIe interface (optional)	Power Supply	Adopt ATX power supply, support S0, S1, S4, S5

I/O Ports

Display Interface	1 × DVI, 1 × VGA, 1 × HD, 1 × internal display expansion interface (optional), 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 6 × 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	Provide 1 × PCIe x16 slot, support PCIe3.0 specification; 2 × PCIe x4 slot (PCIe x1 signal), support PCIe2.0 specification; 4 × 32-bit PCI slot, support 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)
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Mechanical

Dimensions (LxW)	305mm*244mm
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Ordering Information

ATX-GSH110K ATX structure single board/Intel® H110 chipset/support Gen6/7 i3/i5/i7 CPU, support Pentium® /Celeron® /2×DDR4 DIMM memory slot, total support 32GB memory/VGA/HD/DVI/3×SATA /1×mSATA/2×Gigabit LAN/6×USB2.0, 4×USB3.0/6×COM port/1×parallel port/2×PS/2/HD Audio/1×8 bit GPIO/4×standard PCI slot/2×PCIe x1/1×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:

