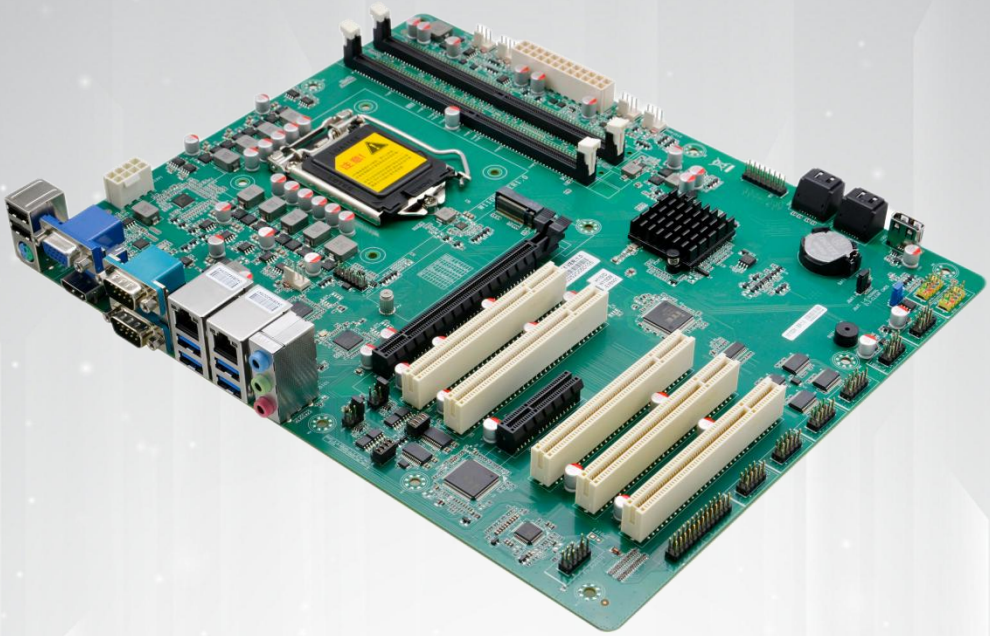
W110DM v:1.0

ATX_ form factor, Based on Intel® Skylake_H110 chipset

Processor-**LGA1151** socket / **6**W TDP

ideal for embedded systems, edge computing, IoT devices.



Features

- CPU: LGA1151 6th/7th8th/9th Intel®celeron/Pentium/Core™ i3/i5/i7
- Memory: Dual channel DIMM DDR4 up to 64GB
- Display: Intel® HD Graphics; VGA+2*HDMI displays
- Ethernet: 2* WGI210AT GbE Ports
- Storage: 4* SATA3.0; 1* M.2
- Expansion: 1* PCIE x16; 1* PCIE x4; 5* PCI
- Power: ATX

intel IoT Solutions Alliance
Industrial Solution Builders Specialist

Scan to know more

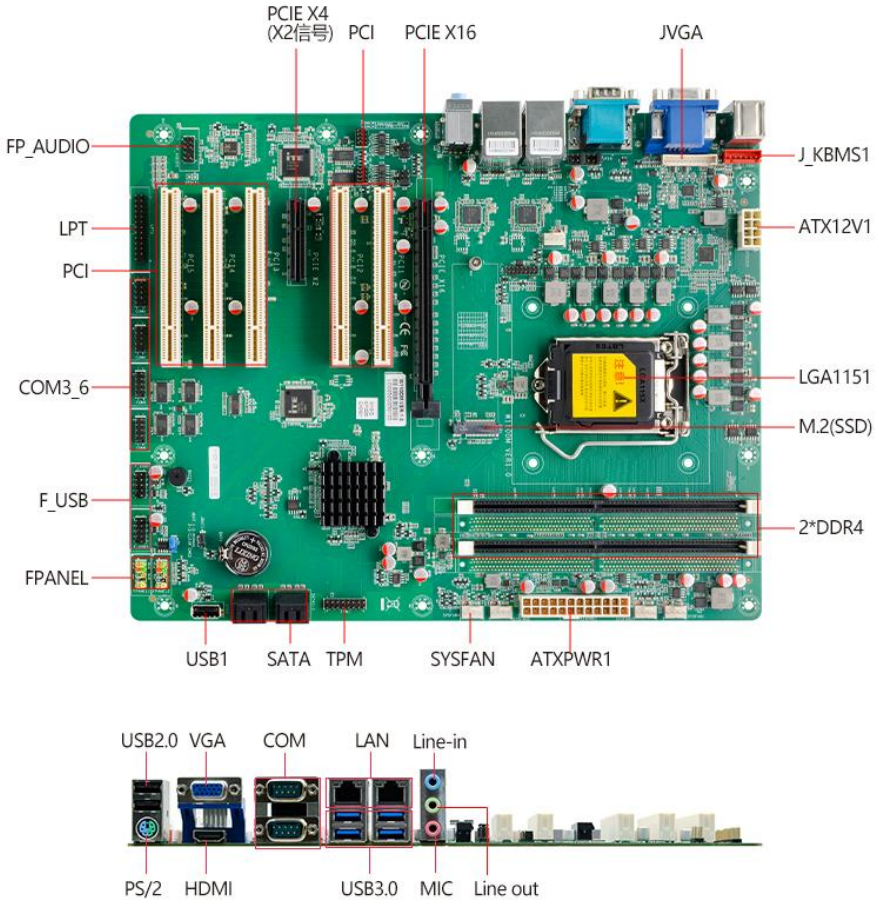
Introduction

The Senbainno W110DM motherboard utilizes the Intel H110 high-speed chipset and supports LGA1151-based 6th, 7th, 8th, and 9th generation Intel Core i7/i5/i3, Pentium, and Celeron processors. It features integrated Intel® HD graphics for high-performance display output, supporting VGA and dual HDMI interfaces with independent dual-display capability. The board offers two dual-channel DDR4 DIMM slots (supporting up to 64GB of memory), dual Intel I210AT Gigabit Ethernet controllers, four SATA 3.0 ports, and six RS232 serial ports (with COM1 and COM2 supporting RS232/422/485 modes). Expansion options include one M.2 slot for SSDs, one PCIe x16 slot, one PCIe x4 slot, and five PCI slots.

Characterized by stable, reliable industrial-grade performance and network security management capabilities, this motherboard effectively meets the needs of most professional customers. It is primarily designed for applications such as servers, industrial control systems, broadcast media asset management back-ends, centralized surveillance data concentrators, and other high-performance, compact embedded products.

GPIO Watchdog

I/O Interfaces



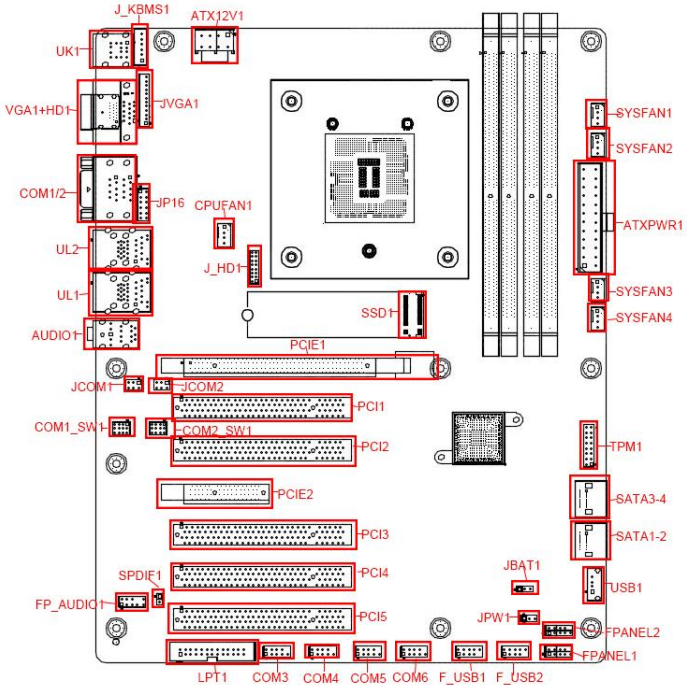
Specifications:

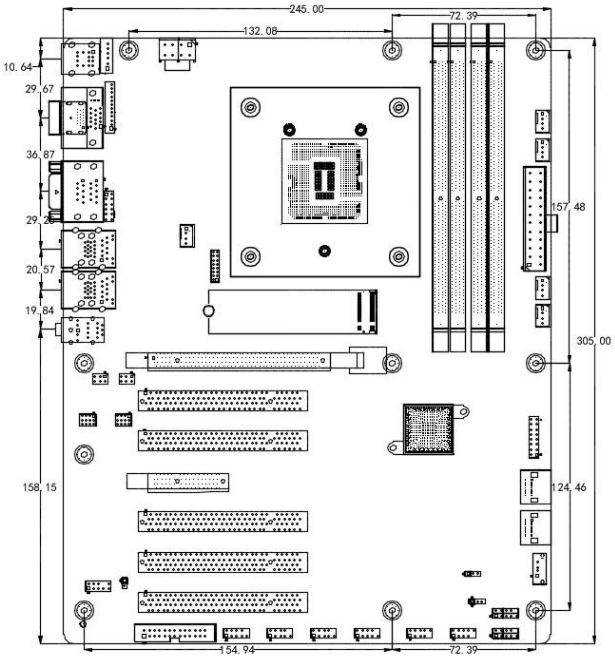
Model No.	W110DM VER:1.0
Processor	Support LGA1151 6th/7th/8th/9th Intel®celeron/Pentium/Core™ i3/i5/i7 processor
Chipset	Intel H110 high speed chipset
RAM	2* DIMM slot, support dual channel 2133/1866MHz DDR4 memory, up to 64GB
Dispay	Intel® HD Graphics; support DirectX12,OpenGL4.4, support 4K/60Hz display
	1* VGA; maximum resolution 1920X1200@60Hz
	2* HDMI1.4; maximum resolution 4096X2304 @24Hz
Ethernet	2* Intel® WGI210AT Gigabit Ethernet Lan, support Wake_on_LAN/PXE function
Storage	4* SATA 3.0, the transfer rate is up to 6Gbps
	1* M.2, support M.2 2280 NVME PCIE X1 standard SSD
Audio	Integrated ALC897 7.1 high-fidelity audio controller, support Mic,Line out,Line-in
Expansion Slot	1* PCIE x16
	1* PCIE x4 (Actually the X2 signal)
	5* PCI
Rear I/O interface	1* PS/2 keyboard and mouse interface
	1* VGA
	1* HDMI
	2* DB9 RS232, COM1/2 supports 5V/12V power supply function, COM1/2 supports RS485/422 function
	2* USB 2.0
	4* USB 3.0, supports 2A current
	2* RJ-45 Gigabit Network Interface
	1* Line out(green)、1* MIC(red)、1* Line in(blue)
Built-in I/O interface	1* JVGA1 display interface (1*12-pin; shares signals with DB15)
	1* PS/2 keyboard/mouse interface (1*6-pin; shares signals with UK1)
	1* JHDMI display interface (2*8-pin)
	4* RS232 serial interfaces (2*5-pin)
	1* LPT printer port (2*13-pin)
	1* Front audio interface (2*5-pin)
	4* USB 2.0 headers (2*5-pin)
	1* Vertical USB 2.0 port
	2* Front panel function button and indicator headers (2*5-pin)
	1* 24-pin ATX power input connector
	1* 8-pin ATX power input connector
	1* TPM (2*8-pin)
Fan interface	1* 4pin CPU smart fan connector, 4* 4pin system smart fan connector
BIOS	AMI 128Mb Flash ROM
GPIO	Support 4-way input output GPIO function
Watchdog	Support hardware reset function (256 levels, 0~255 seconds)
OS	Windows 7/Windows 10/Windows 11/Linux

Power type	ATX 24Pin
Operating temperature	-10℃ ~ 60℃
Storage temperature	-20℃ ~ 70℃
Working humidity	5%-90% relative humidity, non-condensing
Size	305mm x 245mm

*All specifications and photos are subject to change without notice

Interface Diagram





Ordering Info

No.	Model	Processor	South bridge	Memory	VGA	HDMI	LAN	USB	COM	RS485/RS422	Power
1	W110DM VER:1.0	LGA1151	H110	2*DDR4	1	2	2*I210AT	11	6	COM1/2	ATX

!! *For customized options, please consult regional sales. And please conrm the model name and description before purchasing.

*The model name and description might vary due to inventory changes.

SENBAINNO® 千羽云创

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