W75DM v:1.0

ATX_ form factor, Based on Intel® Panther Point_B75 chipset

Processor-**LGA1155** socket / **6.7**W TDP

ideal for embedded systems, edge computing, IoT devices.



Features

- CPU: LGA1155 2th/3th Intel® Celeron/Pentium/Core™ i3/i5/i7
- Memory: Dual channel DIMM DDR3 up to 16GB
- Display: Intel® HD Graphics; VGA+HDMI displays
- Ethernet: 2* I210AT GbE Ports
- Storage: 5* SATA2.0; 1* MSATA
- Expansion: 1* PCIE x16; 1* PCIE x4; 1* PCIE x1; 4* PCI
- Power: ATX

intel IoT Solutions Alliance
Industrial Solution Builders Specialist

Scan to know more

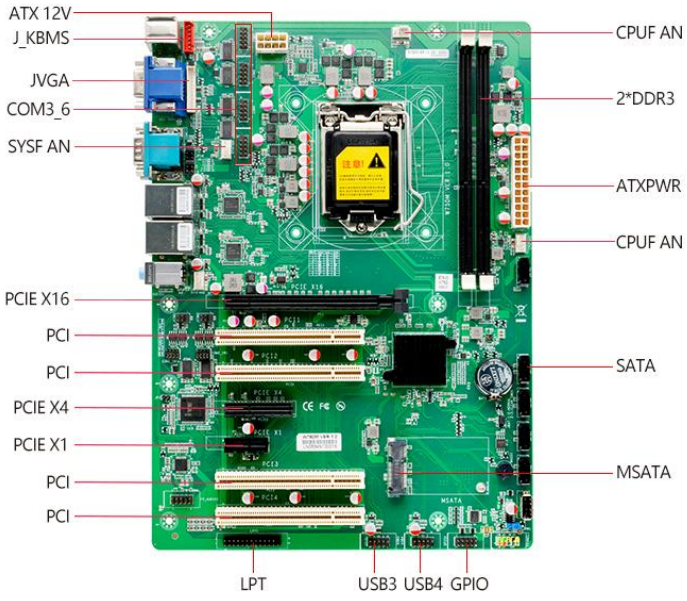
Introduction

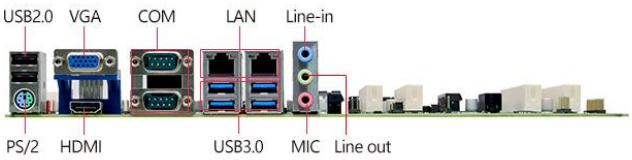
The Senbainno W75DM motherboard utilizes the Intel B75 high-speed chipset and supports LGA1155-based 2nd and 3rd generation Intel® Core™ i7/i5/i3, Pentium, and Celeron processors. It features integrated Intel® HD graphics for high-performance display output, supporting VGA and HDMI interfaces as well as independent dual-display configurations. The board offers two dual-channel DDR3 UDIMM memory slots (supporting up to 16GB), dual integrated Intel® WGI210AT Gigabit Ethernet controllers, five SATA 2.0 ports, and six RS232 serial ports (with COM1 and COM2 supporting RS232/422/485 modes). Expansion options include one PCIe x16 slot, one PCIe x4 slot, one PCIe x1 slot, and four PCI slots.

Characterized by stable, reliable industrial-grade performance and network security management capabilities, this motherboard effectively meets the needs of most professional customers. Key applications include servers, industrial control systems, broadcasting and media asset management back-end systems, centralized surveillance data units, and other high-performance, compact embedded products.

GPIO Watchdog

I/O Interfaces





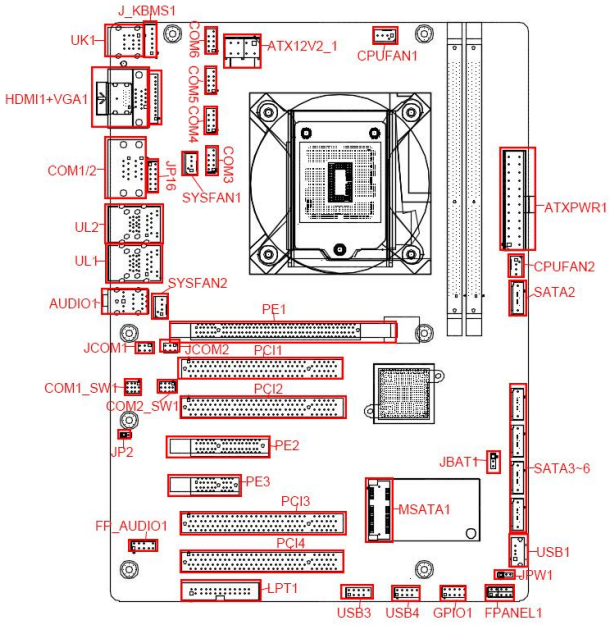
Specifications:

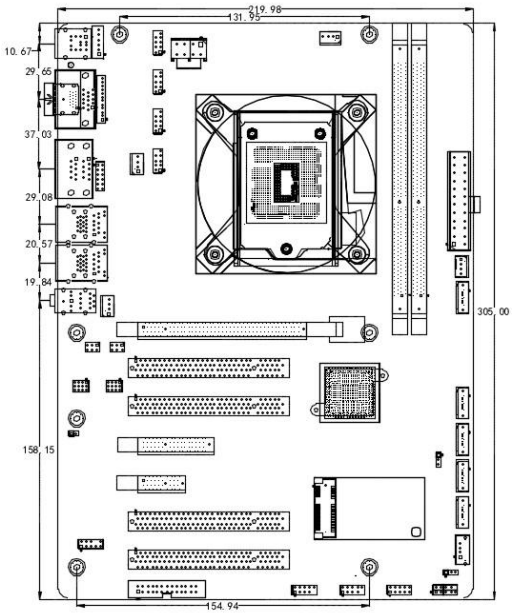
Model No.	W75DM VER:1.0
Processor	Support LGA1155 2th/3th Intel® Celeron/Pentium/Core™ i3/i5/i7 processor
Chipset	Intel B75 high speed chipset
RAM	2* DIMM slot ,support dual channel 1066/1333/1600MHz DDR3 memory, up to 16GB
Dispay	Intel® HD Graphics,support DirectX12.1,OpenGL4.5, support 4K
	1* VGA; 1* HDMI1.4
	Support independent display, dual display mode, extended mode
Ethernet	2* Intel® I210AT Gigabit Ethernet Lan, support Wake_on_LAN/PXE function
Storage	5* SATA 2.0, the transfer rate is up to 3Gbps
	1* MSATA, the transfer rate is up to 6Gbps
Audio	Onboard ALC662 5.1 high-fidelity audio controller, support Mic,Line out,Line-in
Expansion Slot	1* PCIE x16
	1* PCIE x4
	1* PCIE x1
	4* PCI
Rear I/O interface	1* PS/2 keyboard and mouse interface
	1* VGA
	1* HDMI
	2* 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 per port
	2* RJ-45 Gigabit Network Interface
	1* Line out(green)、1* MIC(red)、1*Line-in(blue)
Built-in I/O interface	4* RS232, 2*5pin
	1* JVGA1, 1*12pin (Same signal as external VGA)
	1* PS/2 keyboard and mouse interface, 1*6pin
	1 *LPT, 2*13pin, 2.54mm
	1* Front audio interface, 2*5pin
	4* USB 2.0, 2*5Pin
	1* USB2.0, USB-TYPE A
	1* Front panel function button and indicator light interface, 2*5pin
	1* 24pin ATX power input interface
	2* 4pin ATX power input interface
	1* AC power-on automatic power-on function, 1*3pin
Fan interface	2* 4pin CPU smart fan connector, 2* 4pin system smart fan connector
BIOS	64Mb Flash ROM
GPIO	Support 4-way input output GPIO function
Watchdog	Support hardware reset function (256 levels, 0~255 seconds)
OS	Windows 7/Linux

Power type	ATX 24Pin
Operating temperature	-10℃ ~ 60℃
Storage temperature	-20℃ ~ 70℃
Working humidity	5%-90% relative humidity, non-condensing
Size	305mm x 220mm (ATX)

*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	H610M3 VER:1.0	LGA1700	H610	2*DDR4	1	1	2*I210AT	9	6	COM1/COM2	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.

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Shenzhen Senba Innovation Technology Co., Ltd.

Room 1902, 19th Floor, Building T12, Colorful Silicon Valley, Pingshan Industrial Zone, Pingshan District, Shenzhen ,Guangdong, China.

www.senbatech.com