

ITX-VS590



Main Features

- Support Socket LGA1200 10th/11th Gen Celeron/Pentium/Core i3/i5/i7/i9 processor
- 2x DDR4 RAM slot, up to 128GB
- 2x RJ45 GbE ports
- 1x VGA, 1x HDMI1.4
- 2x SATA3.0; 1x M.2 SSD; 1x PCIe3.0 X16; 1x 80pin high-speed connector
- 10x USB; 2x COM
- ATX 20Pin and 8pin power supply

Specification :

Model No.	ITX-VS590 VER:1.0 (LGA1200)
Processor	Support LGA1200 10th/11th Intel® Celeron/Pentium/Core™ i3/i5/i7/i9 processor
Chipset	Intel® Z590 chipset
Memory	2x SODIMM slot, supports dual-channel 3200MHz DDR4 memory, maximum support 128GB
Graphics	Intel® HD Graphics; support DirectX12.1, OpenGL4.5; support 4K
	1x VGA, Max: 1920 x 1080@60Hz
	1x HDMI1.4; Max: 4096x2304 @24Hz
Network	2x Intel® I210AT Gigabit network card, support network wake-up, PXE function
Storage	2x SATA3.0, transmission rate up to 6Gbps
	1x M.2 slot, supports M.2 2280 NVME PCIe X4 standard SSD
Audio	Onboard ALC897 7.1+2 channel high-fidelity audio controller, supports MIC/Line-out
Expansion slots	1x PCIe3.0 X16 slot
	1x 80pin high-speed connector, including 4*PCIe signals, 1*VGA signal (with VS250-P4 small board)
Rear I/O interface	1x HDMI
	6x USB3.0 (5Gbps)
	2x RJ45 Gigabit network interface
	1x Audio 2 and 1 interface (support Line-out/MICK)
Built in I/O interface	1x VGA pin header, either 80pin high-speed VGA
	4x USB2.0 interface 2*5pin
	1x front panel function button and indicator interface 2*5pin
	2x RS232 serial port 2*5pin, COM2 supports RS485 function
	1x 2*4pin ATX power interface
	1x 20pin ATX power interface
Fan interface	1x 4pin CPU smart fan interface, 1x 4pin system fan interface
Power input	ATX 20Pin and 8pin power supply
BIOS	128Mb Flash ROM
GPIO	Supports 4 input and 4 output GPIO interfaces
Watchdog	Support hardware reset function (256 levels, 0~255 seconds)
OS	Windows 10/Windows 11/Linux
Working Temp.	0℃~60℃
Storage Temp.	-20℃~70℃
Working Humidity	5%-95%(relative humidity; non-condensing)
Dimension	170mm x 170mm

Drawing:



Ordering info:

No.	Model	Processor	Frequency	Southbridge	Memory	VGA	HDMI	DP	LAN	USB	COM	RS485/422	Power
1	ITX-VS590 VER:0.1	LGA1200	/	Z590	2*SODDR4	1	1	1	2*I210AT	10	2	/	ATX