

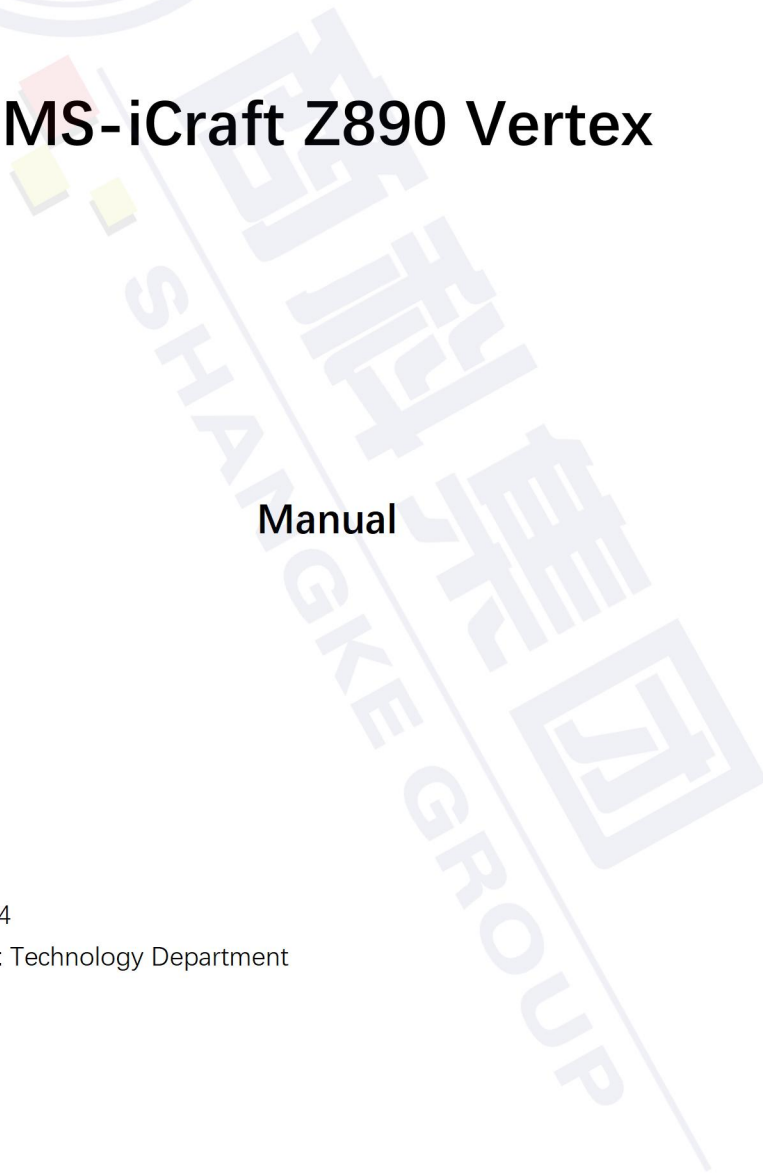


MS-iCraft Z890 Vertex

Manual

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Editing Department: Technology Department





(This drawing is for reference only, some details will be adjusted according to the actual situation, please refer to the actual design, our company reserves the right to explain)

Model Name	MS-iCraft Z890 Vertex
Size	ATX 305mm x 245mm
CPU	Intel ® LGA1851 slot for 15th generation Intel ® Core ™ Ultra, Pentium ® Gold, and Celeron ® processor
Chipset	Intel ® Z890
Memory	2 x DIMM DDR5, maximum capacity 128GB Dual channel memory architecture is supported Supports Intel® Extreme Memory Profile (XMP) Support 9000 (OC) / 8600 (OC) / 8400 (OC) / 8200 (OC) / 8000 (OC) / 7600 (OC) / 7400 (OC) / 7200(OC)/7000(OC)/6800(OC)/6600(OC)/6400(OC)/6200(OC) / 6000/5800/5600/5400/5200/5000/4800 Mhz frequency of memory
Display	1 x DisplayPort 1.4 1 x HDMI™ 2.1
PCIe slot	From Intel ® 15th Gen processor: 1 x PCIe X16 slot (supports PCIe 5.0X16 mode, supports X16 channel split, can be split into X8 + X8 / X8 +X4 +X4 mode) 1 x PCIe X16 slot (supports PCIe 5.0X8 mode, requires PCIe_A slot to enable X16 channel splitting, after the slot is activated, the PCIe_A slot rate changes to X8 mode) From Intel ® Z890 chipset: 1 x PCIe X16 slot (supports PCIe 4.0X4 mode)
Storage	A total of 4 x M.2 slots and 4 x SATA 6Gb/s interfaces and 2 x SFF-8654 4i interfaces are supported From Intel ® 15th Gen processor: M.2_A slot (Key_M) : supports PCIe 5.0X4 /X2 mode, supports 2242/22280/22110 length M.2_B slot (Key_M) : supports PCIe 4.0X4 /X2 mode, 2242/2280 /22110 length From Intel ® Z890 chipset: M.2_C slot (Key_M) : supports PCIe 4.0X4 /X2 mode and supports 2242/22280/22110 length M.2_D slot (Key_M) : supports PCIe 4.0X4 /X2 mode, 2242/2280 /22110 length 2 x SFF-8654 4i interface: supports PCIe 4.0X4 /X2 SATA (4 x SATA 6Gb/s) mode 4 x SATA 6Gb/s interface
Network	1 x Realtek RTL8126 5Gb Ethernet interface 1 x Intel ® BE200 Wireless card: supports Wi-Fi 7 and Bluetooth® v5.4

USB	<p>Onboard USB (6 ports in total) :</p> <ul style="list-style-type: none"> 1 x USB 20G Type-C® front interface 1 x USB 5G 19Pin with support for 2 additional USB 5G ports 1 x USB 2.0 9Pin, supports 2 additional USB 2.0 ports 1 x USB 2.0 4Pin, supports 1 additional USB 2.0 port <p>Rear USB (total 11 ports) :</p> <ul style="list-style-type: none"> 2 x USB 40G Type-C® interface (supports up to 15W power output) 9 x USB 10G Type-A interface
Audio	Realtek ALC1220 HD audio codec
I/O Panel	<ul style="list-style-type: none"> 1 x DisplayPort 1.4 1 x HDMI™ 2.1 1 x CLR_CMOS shortcut button 1 x BIOS_Flash shortcut button 2 x USB 40G Type-C® interface 9 x USB 10G Type-A interface 1 x Realtek 5Gb Ethernet interface 1 x Wi-Fi antenna interface 6 x audio jack
Onboard I/O Port	<p>Power related interface</p> <ul style="list-style-type: none"> 1 x 24 Pin ATX power connector 2 x 8 Pin +12V power connector <p>Fan related interface</p> <ul style="list-style-type: none"> 1 x 4 Pin CPU fan connector 1 x 4 Pin PUMP connector (DC adjustable) 4 x 4 Pin case fan connector <p>Storage related interfaces</p> <ul style="list-style-type: none"> 4 x M.2 slots (Key_M) 4 x SATA 6Gb/s interface 2 x SFF-8654 4i interface <p>Onboard USB interface</p> <ul style="list-style-type: none"> 1 x USB 20G Type-C® front interface 1 x USB 5G 19Pin with support for 2 additional USB 5G ports 1 x USB 2.0 9Pin, supports 2 additional USB 2.0 ports 1 x USB 2.0 4Pin, supports 1 additional USB 2.0 port <p>Other interfaces</p> <ul style="list-style-type: none"> 2 x 3 Pin ARGB interface 1 x 4 Pin NRGB interface 1 x COM port connection pin 1 x front panel audio interface 1 x 10-1 Pin system panel interface 1 x CLR_CMOS reset pin
Operating system	Windows® 11, Windows® 10 64-bit

Other Features

Distributed Debug lights
Maxsun Sync lighting control
CLR_CMOS shortcut button
BIOS_Flash U-free upgrade BIOS technology
POWER_BIN on-board power switch button
RESET_BIN on-board power restart button
RGB_BIN on-board light switch button
Onboard LED display
SFF-8654 4i interface
Resizable bar technique