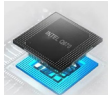


Features

- Based on Intel Z690 PCH ATX Motherboard, supported socket LGA1700 for Intel 12/13/14th Gen Core i9/i7/i5/i3 & Pentium/Celeron processor
- 4x DDR4 UDIMM sockets, support 3200MHz, up to 128GB
- 1* PCIe5.0 X16, 3* PCIe4.0 X4, 2* PCIe3.0 X4, 1* PCIe3.0 X1 Slots
- 1x Intel i219 GbE, 1x intel i225 2.5GbE
- 1x M.2 M-key, 4x SATA3.0 Supports Software RAID 0/1/5/10
- Power in: ATX_24PIN + 2*8PIN



Up to 125W TDP
Desktop CPU



Intel Z690



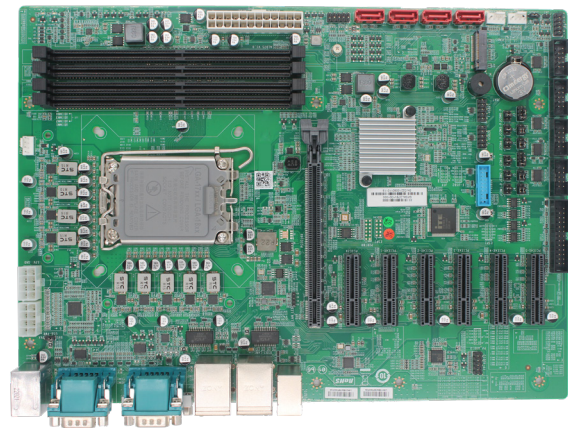
DDR5 RAM



6x COM ports



8-bit GPIO



Specifications

Processors	Support 12/13/14th Gen LGA1700 Intel Core i9/i7/i5/i3 & Pentium/Celeron Processors
Chipset	Intel Z690 Express
Memory	4x DIMM sockets, supports dual channel DDR4 3200MHz, up to 128GB
Storage	4x SATAIII ports ; RAID 0/1/5/10 1x 2280 Key_M slot (NVME PCIe4.0 / SATA)
BIOS	64Mb SPI FLASH
Display	DVI-I + HDMI 1x DVI-I resolution 1920 x 7 200@60Hz (VGA Optional) 1x HDMI resolution up to 4096 x 2160@60Hz
Ethernet Controller	1x Intel® I219-LM GbE LAN PHY, 1x Intel® i225 LAN 2.5GbE
Serial	6x COM Ports DB9 RS-232 from Rear I/O 4x RS-232 or 2x RS-232 + 2x RS-232/485/422 from internal
Parallel	1x LPT port
USB	4x USB 3.0, 2x USB 2.0 form Rear I/O 2x USB 2.0, 4x USB 3.0 from internal
AUDIO	Line-out, Line-in, Mic-in
Other	PS/2 keyboard and mouse via Y-cable
TPM	Intel Platform Trust Technology
GPIO	4x GPI, 4x GPO
Expansion Slot	1* PCIe16 Gen 5.0 slots 3* PCIe4 Gen 4.0 slots 2* PCIe4 Gen 3.0 slots 1* PCIe2 Gen 3.0 slot
Watchdog Timer	256-level Watchdog Timer
Motherboard Power input	ATX-Power 24P + 2* 12V-8P
Environment	Operating Temperature: 0°C ~60°C Storage Temperature: -20~85°C Operating Humidity: 5%~95%, non-condensing
OS	Win10, Win11, Linux
Motherboard platform	ATX, 305mmx 245mm

Ordering Information

Model name	Description
WMA-69Z1	ATX Motherboard with Intel Z690 PCH ,DVI-I+HDMI,2LAN,6COM,6USB3.0,6 USB2.0, 1*PCIe5.0 16X, 3*PCIe4.0 4X, 2*PCIe3.0 4X,1*PCIe3.0 2X slots

Optional Accessories

Item	Description
	If you need to buy processors, HDD/SSD, power supply, CPU cooler, system memory and other accessories, please contact us.