



EAX-R680P

Intel® 12th Gen Core™ i9/i7/i5/i3 Processor,
supports LGA1700 CPU Up to 125W Max

- > Intel® 12th Gen Core™ i9/i7/i5/i3 Processor, supports LGA1700 CPU Up to 125W Max
- Intel® R680E
- 4 DIMM Up to 128GB Dual Channel DDR4 3200MHz
- 2 x Intel® i225-LM 2.5G Gigabit Controller
- 1 x Intel® X550-AT2 10G Gigabit Controller
- 2 x DP++, 1 x HDMI
- 4 x SATA III
- 2 x PCIe x16 slot for 1 x PCIe x16 Gen5 or 2 x PCIe x8 Gen4
- 2 x PCIe x4 Gen4
- 1 x PCIe x4 slot for 1 x PCIe x2 Gen3 only
- 1 x PCIe x4 Gen3
- 2 x 4-deck USB3.2 connector at I/O for 8 port USB3.2 Gen2
- 1 x USB3.2 Gen1 Vertical Type A
- 1 x dual deck RJ45 for 2 x 10G LAN
- 1 x dual deck RJ45 for 2 x 2.5G LAN
- 2 x M.2 Key M 2242/2280/22110
- 2 x RS232/422/485, 4 x RS232
- Support RAID 0, 1, 5, 10

+ Spec

System Information	
Processor	Intel® 12th Gen Core™ i9/i7/i5/i3 Processor, supports LGA1700 CPU Up to 125W Max
Platform Controller Hub	Intel® R680E
System Memory	4 DIMM Up to 128GB Dual Channel DDR4 3200MHz
I/O Chipset	NCT6126D
BIOS Information	AMI uEFI BIOS, 256Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 5~255 seconds/5~255 minutes
H/W Status Monitor	CPU temperature monitoring Voltage monitoring CPU fan speed control
Expansion	
Expansion	2 x PCIe x16 slot for 1 x PCIe x16 Gen5 or 2 x PCIe x8 Gen4 2 x PCIe x4 Gen4 1 x PCIe x4 slot for 1 x PCIe x2 Gen3 only 1 x PCIe x4 Gen3
Storage	
Storage	2 x M.2 Key M 2242/2280/22110 4 x SATAIII
External I/O	
USB Port	2 x 4-deck USB3.2 connector at I/O for 8 port USB3.2 Gen2
LAN Port	1 x dual deck RJ45 for 2 x 10G LAN 1 x dual deck RJ45 for 2 x 2.5G LAN
I/O	
USB Port	1 x USB3.2 Gen1 Vertical Type A 5 x USB2.0
COM Port	1 x RS-232/422/485 on rear I/O 1 x RS-232/422/485 by pin header 4 x RS-232 by pin-header
SATA	4 x SATAIII
DIO	1 x 16-bit GPIO
Display	
Graphic Chipset	Intel® 12th Generation CPU integrated
Spec. & Resolution	2 x DP++ 1 x HDMI
Multiple Display	Triple Display
Audio	
Audio Codec	Realtek ALC888 (colay ALC897)
Audio Interface	1 x Line-in, 1 x Mic-in, 1 x Line-out
Audio Amplifier	6W Amplifier
Ethernet	
LAN Chipset	2 x Intel® i225-LM 2.5G Gigabit Controller 1 x Intel® X550-AT2 10G Gigabit Controller
LAN Port	1 x dual deck RJ45 for 2 x 10G LAN 1 x dual deck RJ45 for 2 x 2.5G LAN
Mechanical & Environmental	
Operating Temperature	0~55°C (32~131°F)
Storage Temperature	-40~ +75°C (-40~167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Power Requirement	+12V / +5V / 5VSB /+3.3V /-12V
ACPI	Single power ATX Support S0, S3, S4, S5

RAID	RAID 0, 1, 5, 10
Power Mode	AT / ATX mode Switchable Through Jumper
Dimension (L x W)	12" x 9.6" (304.8mm x 243.84mm)