



## EAX-W480P

Intel® 10th Gen. Core™  
i9/i7/i5/i3/Pentium®/Celeron®/Xeon® W-1200 series  
Processor ATX Motherboard With Intel® W480E  
Chipset

- > Intel® 10th Generation Core™ i9/i7/i5/i3/ Pentium®/ Celeron®/ Xeon® W-1200 Series Processor (Max. TDP at 125W)
- > Intel® W480E Chipset
- > 4 x 288-pin DDR4 U-DIMM socket, supports up to 128GB (ECC memory supported by CPU)
- > DDR4 2933MHz (W1290E /W1290TE /W1270E /W1290TE /i9 /i7 CPU) /  
DDR4 2666MHz (W1250E /W1250TE /i5 /i3 CPU) /  
DDR4 2400MHz (Pentium / Celeron CPU)
- > DVI-D, DP++, DP++, 4 x SATA III
- > 2 x PCI-e x16 slot for 1 x PCI-e x16 or 2 x PCI-e x8 (By Auto switch IC), 4 x PCI-e x4
- > 5 x USB 2.0 by pin header, 1 x USB 2.0 Vertical type A
- > PS/2 KB/MS + 2 x USB 2.0, 3 x RJ-45 with Dual deck for 6 x USB 3.1 GEN 2 connector at I/O
- > 1 x COM at I/O; 8 x RS232, 2 x RS232/422/485 (COM2 & 3 by BIOS selection)
- > 1 x M.2 (2242/2260/2280) B-Key, support SSD PCI-e x1 Signal
- > Support RAID 0, 1, 5, 10
- > Infineon SLB9665 support TPM 2.0
- > ATX Power

### + Spec

| -System Information-       |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Processor                  | Intel® LGA1200 Socket Supports 10th Generation Core™ & / Intel® Xeon®Process(Workstation) / Pentium®/Celeron® Processors         |
| Platform Controller Hub    | Intel® W480E Chipset                                                                                                             |
| System Memory              | 4 x 288-pin DDR4 U-DIMM supports up to 128GB (ECC memory supported by CPU)                                                       |
| I/O Chipset                | Nuvoton® NCT6106D Fintek F81216AD                                                                                                |
| 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, Voltages monitoring, CPU fan speed control                                                           |
| TPM                        | Infineon SLB9665 supports TPM 2.0                                                                                                |
| Board                      | ATX Board                                                                                                                        |
| Expansion                  |                                                                                                                                  |
| Expansion                  | 2 x PCI-e x16 slot for 1 x PCI-e x16 or 2 x PCI-e x8(By Auto switch IC)<br>4 x PCI-e x4                                          |
| Storage                    |                                                                                                                                  |
| Storage                    | 1 x M.2 (2242/2260/2280) B-Key, support SSD PCI-e x1 Signal                                                                      |
| I/O                        |                                                                                                                                  |
| USB Port                   | PS/2 KB/MS + 2 x USB 2.0 GEN 2<br>3 x RJ-45 with Dual deck for 6 x USB 3.1 GEN 2 connector                                       |
| COM Port                   | 1 x COM                                                                                                                          |
| SATA                       | 4 x SATA III                                                                                                                     |
| DIO                        | 1 x 16-bit GPIO                                                                                                                  |
| MIO                        | 1 x PS/2 Keyboard or 1 x PS/2 Mouse                                                                                              |
| RS232                      | 8 x RS232<br>2 x RS232/422/485 (COM2 & 3 by BIOS selection)                                                                      |
| Display                    |                                                                                                                                  |
| Graphic Chipset            | Intel® 10th Generation CPU integrated                                                                                            |
| Spec. & Resolution         | DVI-D: 2048 x 1536 @ 60Hz<br>DP++: 4096 x 2304 @ 60Hz                                                                            |
| Multiple Display           | Triple Display                                                                                                                   |
| Audio                      |                                                                                                                                  |
| Audio Codec                | Without Audio Coded IC. Please check with your sales for OEM version.                                                            |
| Ethernet                   |                                                                                                                                  |
| LAN Chipset                | 1 x Intel® I219LM Gigabit Ethernet PHY 1 x Intel® I210AT PCI-e Gigabit Ethernet 1 x Intel® I225V 2.5 Gigabit Ethernet Controller |
| LAN Port                   | 3 x RJ-45                                                                                                                        |
| Mechanical & Environmental |                                                                                                                                  |
| Operating Temperature      | 0~60°C (32~140°F)                                                                                                                |
| Storage Temperature        | -40 ~ 75°C                                                                                                                       |
| Operating Humidity         | 40°C @ 95% Relative Humidity, Non-condensing                                                                                     |
| Weight                     | 1.32lbs (0.6 kg)                                                                                                                 |
| Power Requirement          | +12V/+5V/5VSB/+3.3V/-12V                                                                                                         |
| ACPI                       | Single power ATX Support S0, S3, S4, S5                                                                                          |
| Power Mode                 | AT/ATX                                                                                                                           |
| Dimension (L x W)          | 12" x 9.6" (304.8mm x 243.84mm)                                                                                                  |
| Ordering Information       |                                                                                                                                  |

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**Ordering Information**

EAX-W480P-A1R  
Intel® 10th Generation Core™ i9/i7/i5/i3/Pentium®/Celeron®/ Xeon® W-1200 Series Processor ATX Motherboard With Intel® W480E Chipset  
Standard Product without Audio function. Please check with your sales for OEM version.

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### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660