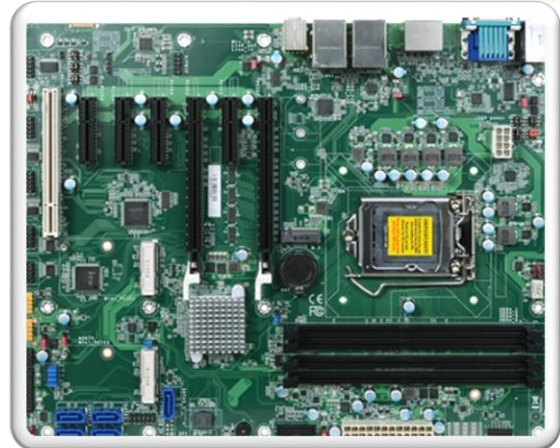




**Industrial ATX Motherboard supports Intel® 8<sup>th</sup> Gen. Core™ and Xeon E 2100 series, Intel® C246/Q370 PCH, USB 3.1, SATA 3.0 with RAID, (2) LAN, VGA/(2) DP++, Audio**



## Features

- Supports Intel 8<sup>th</sup> Gen. Core and Xeon E CPU
- (2) Gigabit Ethernet supported
- (5) SATA 3.0 with RAID 0/1/5/10
- Watchdog & Hardware Monitor function
- (1) VGA and (2) DisplayPort

## CPU

- LGA1151 socket 8th generation Intel® Core™ i7/i5/i3, Xeon E 2124G/2176G, Pentium® & Celeron® processor

## Chipset

- Intel® C246/Q370 PCH

## System Memory

- (4) 288-pin DIMM dual channel DDR4 2400/2666 max. up 64 GB (ECC for Xeon)

## Display Interface

- Intel® HD Gen. 9 Graphics
- (1) VGA, (2) DisplayPort

## Storage

- (5) SATA 3.0 (1 SATA shared with mini PCIe (SATA), default at mini PCIe) with RAID 0,1,5,10
- (1) M.2 2242/2260/2280 M key (PCIe Gen3 x 2 NVMe)

## Ethernet

- (2) Gigabit LAN with Intel® I211AT and i219LM

## Audio

- Built-in HD Audio Codec with Realtek ALC888

## I/O Interface

- (4) RS232 & (2) RS232/422/485 serial ports
- (6) USB 3.1 and (6) USB 2.0 ports
- (1) 8-bit digital I/O interface
- (1) LPC & (1) SMBus

## Onboard Expansion

- (2) PCIe x16 (Gen 3) (1 x16 signal or 2 x8 signals)
- (3) PCIe x4 (Gen 3)
- (1) PCIe x1 (Gen 3)
- (1) PCI

## Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10% ~ 95%

## Dimension

- 305mm x 244mm

## Ordering Information

<b>MBC-6612A2GPR-C246</b>	Intel® Core™ and Xeon E, Intel® C246 PCH, USB 3.1, SATA 3.0, (2) LAN, VGA/DP, Audio
<b>MBC-6612A2GPR-Q370</b>	Intel® Core™, Intel® Q370 PCH, USB 3.1, SATA 3.0, (2) LAN, VGA/DP, Audio