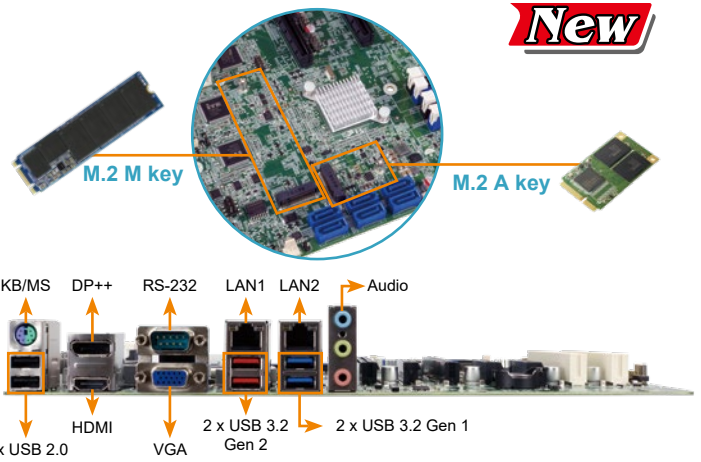
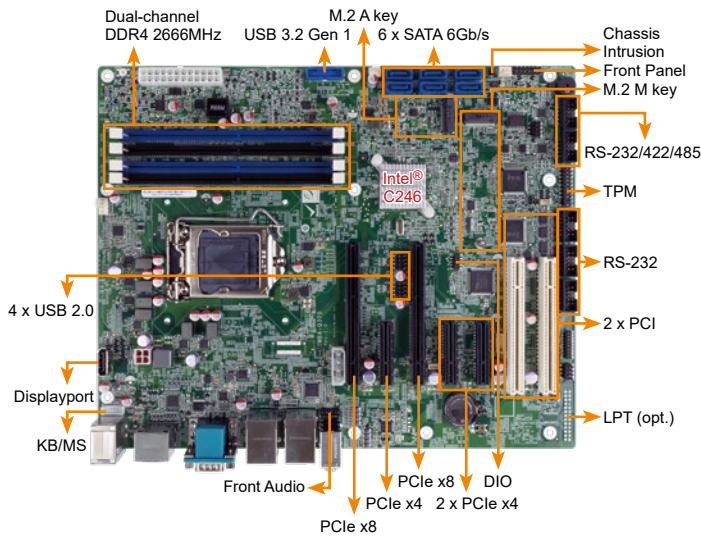


# IMBA-C2460

ATX motherboard supports 14nm LGA1151 Intel® 8th/9th Generation Xeon® E, Core™ i9/i7/i5/i3, Celeron® and Pentium® processor per Intel® C246, DDR4, triple displays, dual GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS



**New**

## Specifications

- ◆ CPU: LGA1151 Intel® 8th/9th Generation Xeon® E, Core™ i9/i7/i5/i3, Celeron® and Pentium® processor
- ◆ Chipset: Intel® C246
- ◆ BIOS: AMI UEFI BIOS
- ◆ Memory: Four 288-pin 2666/2400 MHz Dual-Channel DDR4 SDRAM Unbuffered DIMMs supported up to 64GB (ECC&non-ECC support)
- ◆ Graphics Engine: Intel® HD Graphics Gen 9 Engines with Low power 16 execution unit, supports DX2015, OpenGL 5.X and OpenCL2.x, ES 2.0
- ◆ Display Output: Triple independent display
  - 1 x VGA (up to 1920 x 1080@60Hz)
  - 1 x DP++ (up to 4096 x 2304@60Hz)
  - 1 x HDMI (up to 4096 x 2304@30Hz)
  - 1 x Internal Displayport (up to 4096 x 2304@60Hz)
- ◆ Ethernet: LAN1: Intel® I219LM PCIe controller with AMT 11.0 support; LAN2: Intel® I210AT PCIe controller
- ◆ External I/O Interface:
  - 2 x USB 3.2 Gen 2 (10Gb/s) 1 x RS-232
  - 2 x USB 3.2 Gen 1 (5Gb/s) 1 x PS/2 KB/MS
  - 2 x USB 2.0
- ◆ Internal I/O Interface:
  - 1 x 180° Displayport 1 x KB/MS (1x6 pin)
  - 2 x RS-232/422/485 (2x5 pin, P=2.54) 3 x RS-232 (2x5 pin, P=2.54)
  - 2 x USB 3.2 Gen 1 (5Gb/s) (2x10 pin, P=2.0) 4 x USB 2.0 (2x4 pin, P=2.54)
  - 6 x SATA 6G/s (RAID 0/1/5/10 supported)
- ◆ SMBus: 1 x SMBus (1x4 pin)
- ◆ I<sup>2</sup>C: 1 x I<sup>2</sup>C (1x4 pin)
- ◆ Audio: Realtek ALC662 HD codec; 3 x Audio Jack (Line-in, Line-out, Mic-in); 1 x Analog audio (2x5 pin)
- ◆ Front Panel: 1 x Front Panel (2x7 pin, Power LED, HDD LED, Speaker, Power Button, Reset Button)
- ◆ LAN LED: 2 x LAN LED (1x2 pin)
- ◆ Expansion: 2 x PCIe x8 1 x M.2 A key (2230, PCIe x1 & USB 2.0); 3 x PCIe x4 1 x M.2 M Key (2280, PCIe x2 only); 2 x PCI
- ◆ Digital I/O: 1 x 8-bit digital I/O (2x5 pin)
- ◆ TPM: 1 x TPM (2x10 pin)
- ◆ Fan Connector: 1 x CPU fan connector (1x4 pin); 2 x System fan connector (1x3 pin)
- ◆ Chassis Open: 1 x Chassis intrusion (1x2 pin)
- ◆ Power Supply: ATX/AT power supply; Support AT/ATX mode; ErP/EuP Compliant
- ◆ Watchdog Timer: Software Programmable support 1~255 sec. system reset
- ◆ Power Consumption: 3.3V@0.38A, 5V@9.38A, 12V@6.23A, 5VSB@0.16A (3.0 GHz Intel® Core™ i5-8500 CPU with four 16 GB 2400 MHz DDR4 memory)
- ◆ Operating Temperature: -20°C ~ 60°C
- ◆ Storage Temperature: -30°C ~ 70°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Dimensions: 244mm x 305mm
- ◆ Weight: GW:1200g / NW:700g
- ◆ CE/FCC compliant



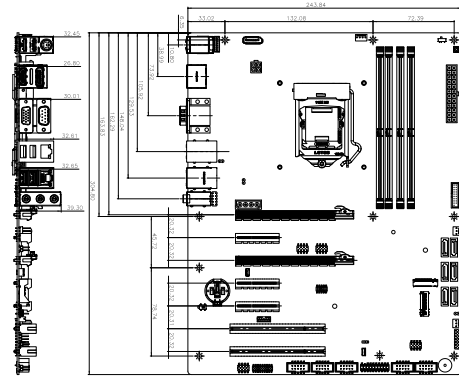
## Features

- LGA1151 Intel® 8th/9th Generation Xeon® E, Core™ i9/i7/i5/i3, Celeron® and Pentium® processor
- Dual-channel DDR4 2666MHz
- Support VGA, HDMI & DP++
- Support M.2 A key for WLAN expansion, M key for storage

## Packing List

|                                      |                |
|--------------------------------------|----------------|
| 1 x IMBA-C2460 single board computer | 2 x SATA cable |
| 1 x I/O shielding                    | 1 x QIG        |

## Dimensions (Unit: mm)



## Ordering Information

| Part No.            | Description   |
|---------------------|---|
| IMBA-C2460-R10      | ATX motherboard supports 14nm LGA1151 Intel® 8th/9th Generation Xeon® E, Core™ i9/i7/i5/i3, Celeron® and Pentium® processor per Intel® C246, DDR4, triple displays, dual GbE LAN, M.2, USB 3.2, SATA 6Gb/s, HD Audio and RoHS |
| 19800-000075-RS     | PS/2 KB/MS cable with bracket, 220mm, P=2.0   |
| 19800-003100-100-RS | Dual port USB cable with bracket, 30mm, P=2.54  |
| 19800-010500-200-RS | USB 3.2 Gen 1 (5Gb/s) cable 457mm with bracket  |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P  |
| 32205-000702-100-RS | RS-232 cable, 230mm, P=2.54   |
| CF-115XA-R10        | High performance LGA115X cooler kit, 1U chassis compatible, 73W   |
| CF-115XC-R10        | LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W  |
| CF-115XD-R10        | LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W  |
| CF-115XE-R10        | High-performance LGA1155/1156 cooler kit, 95W   |
| TB3-40GDP-R10       | PCI Express Thunderbolt expansion card with Intel® DSL6540, 2 port thunderbolt 3 port (USB Type-C), RoHS  |
| TPM-IN02-R20        | 20-pin Infineon TPM 2.0 module, software management tool, firmware v5.5   |