

# MB-i91Q1

## 8<sup>th</sup> Generation Intel® Core™ Processor Embedded Micro-ATX Motherboard



### System

CPU	Support Intel® 8 <sup>th</sup> Generation Core™ i7/i5/i3 and Pentium® processors in LGA1151 socket
Chipset	Intel® PCH H310
Memory	2 x 288-pin DDR4 Long-DIMM sockets, supporting 2666 MHz SDRAM up to 32GB
BIOS	AMI UEFI BIOS

### I/O

Super IO Chipset	Fintek F81966
Serial Port	8 x RS-232 2 x RS-232/422/485
USB Port	4 x USB 3.0/2.0 ports 4 x USB 2.0 ports
Digital I/O	8-bit Programmable
Keyboard & Mouse	1 x PS/2 port by Y-cable for keyboard and mouse header 1 x PCIe x16 slot 1 x PCIe x1 slot
Expansion Bus	2 x PCI slot 1 x Mini-card socket (Full Size) 1 x SIM card holder
Storage	3 x Serial ATA ports with 600MB/s HDD transfer rate 1 x NGFF (M.2) M-key socket for SSD
Ethernet Chipset	2 x Realtek® RTL8111 PCIe GbE controllers
Audio Interface	Realtek® ALC662 5.1 Channel HD Audio CODEC, Mic-in/ Line-in/ Line-out

### Display

Graphic Chipset	Integrated Intel® UHD Graphics 630
Graphic Interface	1 x VGA port 1 x DVI-D port 1 x HDMI port 1 x DisplayPort

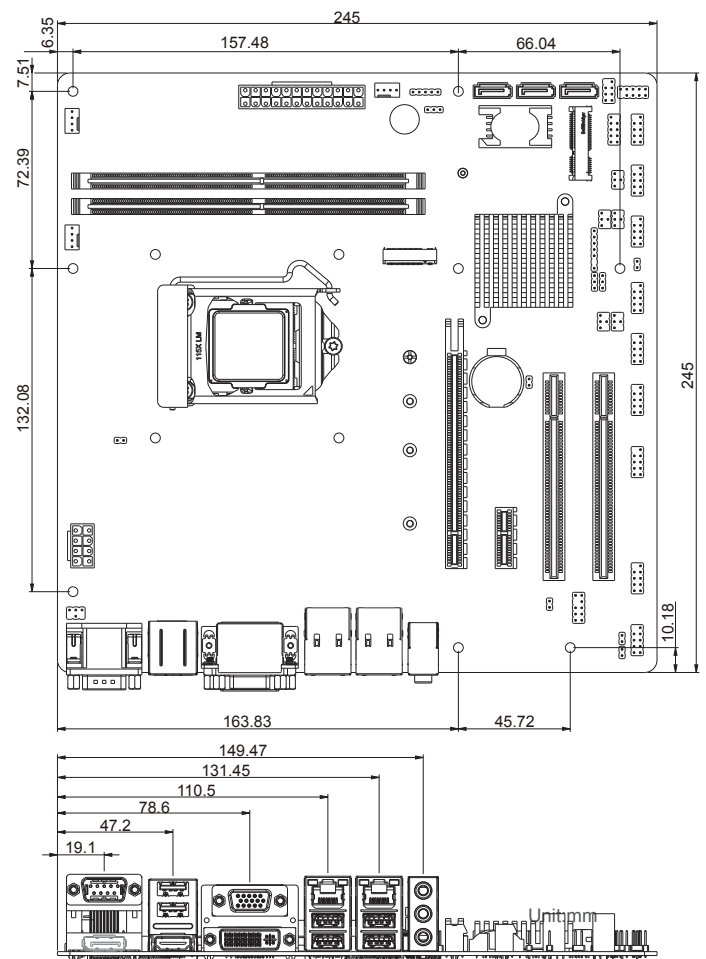
### Features

- Supports Intel® LGA1151 8<sup>th</sup> Gen. Core processors
- Integrated dual Gigabit Ethernet
- 1 x PCIe x16, 1 x PCIe x1, 2 x PCI
- 10 x Serial Ports, 1 x Mini-card, 1 x M.2 for SSD
- VGA, DVI-D, HDMI and DisplayPort support
- Up to 32GB maximum DDR4 2666 non-ECC DIMM

### Mechanical & Environmental

Power Requirement	24-pin + 8-pin ATX power connector
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	10 ~ 90% @ 60°C (non-condensing)
Dimension (L x W)	244 x 244 mm (9.6" x 9.6")

### Dimensions



Unit: mm