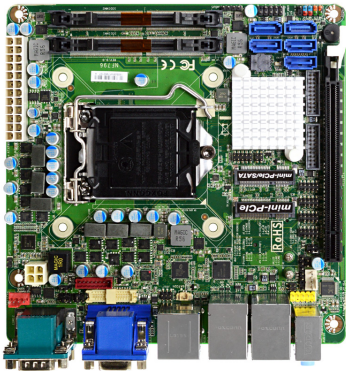


# ITX-i91Q2

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



### System

CPU	Support Intel® 8 <sup>th</sup> Generation Core™ i7/i5/i3 and Pentium® processors in LGA1151 socket
Chipset	Intel® PCH Q370
Memory	2 x 260-pin DDR4 SO-DIMM sockets, supporting 2400 MHz SDRAM up to 32GB
BIOS	AMI UEFI BIOS

### I/O

Super IO Chipset	NUVOTON NCT6116D
Serial Port	4 x RS-232 2 x RS-232/422/485
USB Port	4 x USB 3.1 (Gen. 2) ports 6 x USB 3.0/2.0 ports 2 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
Expansion Bus	1 x PCIe x16 Gen 3.0 slot 1 x Mini-card socket (Half Size) 1 x SIM card holder
Storage	5 x Serial ATA ports with 600MB/s HDD transfer rate RAID 0, 1, 5, 10 supported 1 x mSATA socket (Full Size, shared with mini-PCIe)
Ethernet Chipset	1 x Intel® i211AT PCIe GbE controller 1 x Intel® i219LM PCIe GbE PHY
Audio Interface	Realtek® ALC662 5.1 Channel HD Audio CODEC, Mic-in/ Line-in/ Line-out

### Display

Graphic Chipset	Integrated Intel® HD Graphics
Graphic Interface	1 x VGA port 1 x HDMI port 1 x DisplayPort Dual Channels 24-bit LVDS

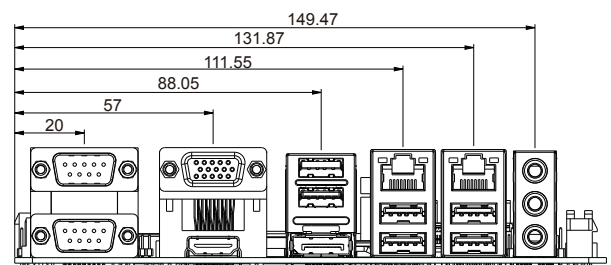
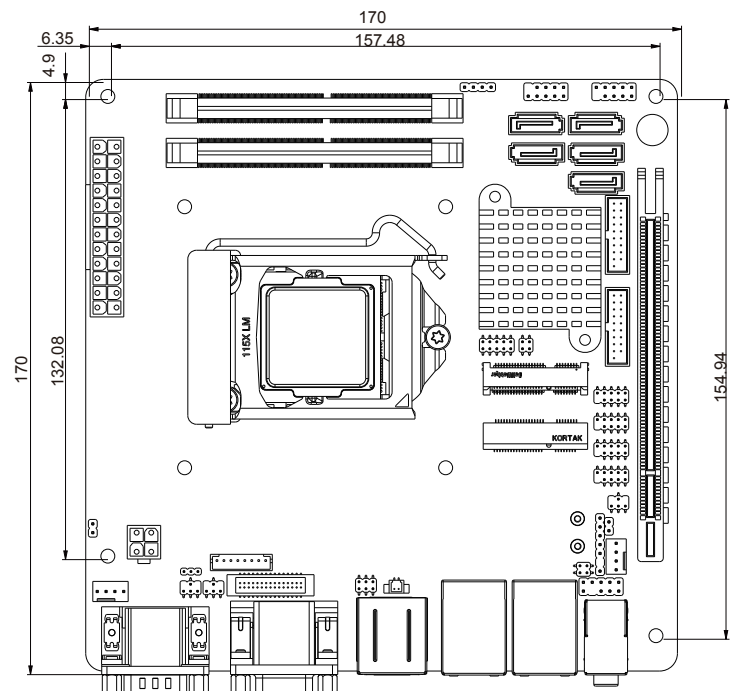
### Features

- Supports Intel® LGA1151 8<sup>th</sup> Gen. Core processors
- Integrated dual Gigabit Ethernet
- 1 x PCIe x16, 1 x Mini-card, 1 x mSATA socket
- VGA, HDMI, DisplayPort and LVDS support
- Up to 32GB maximum DDR4 2133 non-ECC DIMM

### Mechanical & Environmental

Power Requirement	24-pin + 4-pin ATX power connector
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	10 ~ 90% @ 60°C (non-condensing)
Dimension (L x W)	170 x 170 mm (6.7" x 6.7")

### Dimensions



Unit: mm