

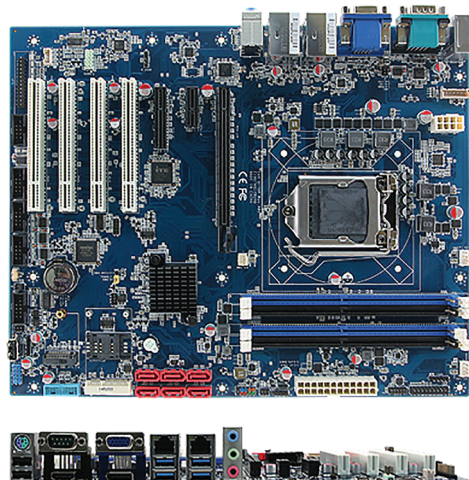
# BC170Q

ATX Motherboard

Intel® 7th Generation Core™ Processor ATX  
Motherboard With Intel® Q170 Chipset

## Features

- Intel® 7th Generation Core™ Processor (Max. TDP at 95W)
- Intel® Q170 Chipset
- 4 x 288-pin DDR4 2133MHz DIMM socket, supports up to 64GB
- VGA, HDMI, DP
- 5 x SATA III, 1 x SATA III or 1 x mSATA III by auto switch IC
- 1 x M.2 2230 KeyA Slot support WiFi module
- 1 x PCI-e x 16, 1 x PCI-e x 4, 1 x PCI-e x 1, 1 x Mini PCI-e, 4 x PCI
- 6 x USB3.0, 6 x USB2.0, 5 x RS232, 1 x RS232/422/485
- Support RAID 0, 1, 5, 10
- Onboard Infineon SLB9665 support TPM 2.0
- ATX/AT Power



## Specifications

### System

<b>CPU</b>	Intel® LGA1151 Socket Supports 6/7th Generation Core™ i7/ i5/ i3 & Pentium®/Celeron® Processors (Max. TDP at 95W)
<b>System Chipset</b>	Intel® Q170 Chipset
<b>System Memory</b>	4 x 288-pin DDR4 2133MHz DIMM supports up to 64 GB
<b>I/O Chip</b>	Nuvoton® NCT6106D
<b>BIOS</b>	AMI uEFI BIOS, 128Mbit SPI Flash ROM
<b>Watchdog Timer</b>	H/W Reset, 5~255 seconds/5~255 minutes
<b>H/W Status Monitor</b>	CPU temperature monitoring, Voltages monitoring, CPU fan speed control
<b>TPM</b>	Onboard Infineon SLB9665 supports TPM 2.0
<b>Expansion</b>	4 x PCI 1 x PCIe x16 1 x PCIe x4 1 x PCIe x1 1 x M.2 2230 KeyA Slot supports WiFi module 1 x SIM Card Slot 1 x Full/Half Size mini-PCIe supports mSATA (Auto switch IC)

### I/O

<b>USB</b>	4 x USB 3.0, 2 x USB 2.0
<b>SATA</b>	5 x SATA III 1 x SATA III & 1 x mSATA III switch by auto switch IC
<b>COM</b>	5 x RS232 1 x RS232/422/485
<b>GPIO</b>	1 x 8-bit GPIO
<b>MIO</b>	1 x PS/2 Keyboard or 1 x PS/2 Mouse

### Display

<b>Chipset</b>	Intel® 7th Generation CPU integrated VGA + HDMI + DVI
<b>Resolution</b>	VGA: 2048 x 1536 @ 50 Hz HDMI: 4096 x 2160 @ 24 Hz DP: 4096 x 2304 @ 60Hz
<b>Multiple Display</b>	Supports Triple Display

### Audio

<b>Chipset</b>	Realtek ALC892 supports 5.1-CH
<b>Audio Interface</b>	Line-in, Mic-in, Line-out
<b>Audio Amplifier</b>	2 x 6W Amplifier

### Ethernet

<b>Chipset</b>	1 x Intel® I219LM Gigabit Ethernet PHY 1 x Intel® I211AT PCI-e Gigabit Ethernet
<b>LAN Port</b>	2 x RJ-45

### Mechanical & Environment

<b>Power Requirement</b>	+12V/+5V/5VSB/+3.3V/-12V
<b>ACPI</b>	Single power ATX Support S0, S3, S4, S5
<b>Power Type</b>	AT/ATX
<b>Operating Temp</b>	0~60°C (32~140°F)
<b>Storage Temp</b>	-40 ~ 75°C
<b>Operating Humidity</b>	0%~90% relative humidity, non-condensing
<b>Dimension (L x W)</b>	12" x 9.6" (304.8mm x 243.84mm)
<b>Weight</b>	1.32lbs (0.6 kg)

\* All product specifications and images are subject to change without notice.  
Last update: 9/18/2017