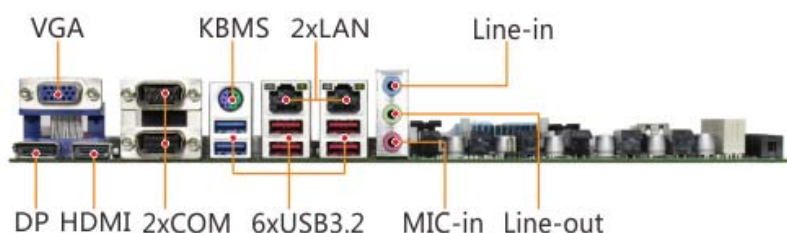
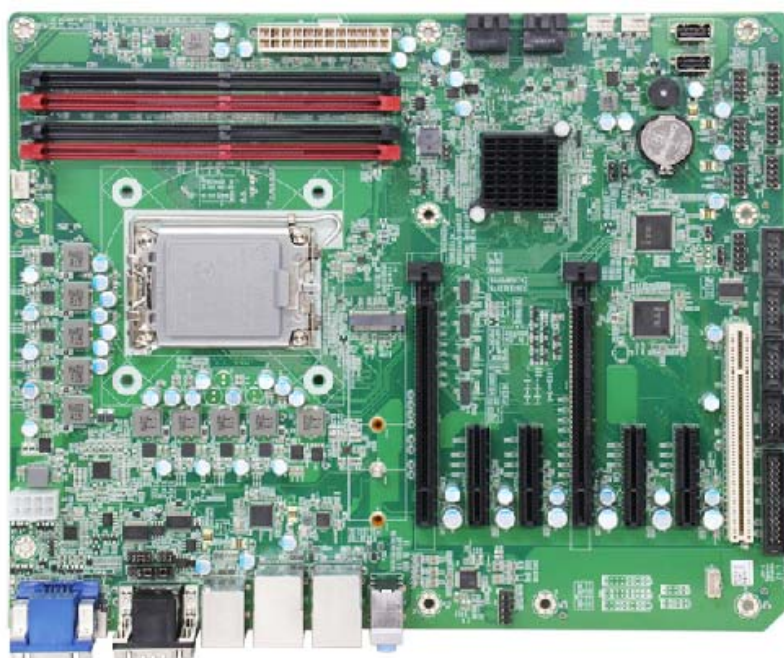


Model: NTX-Q670  
 Industrial ATX main Board - Intel® Q670 Chipset



### Main Feature:

- Supports 12<sup>th</sup> to 13<sup>rd</sup> Gen. Intel Core™ i3/i5/i7/i9/Pentium®/Celeron® processor (LGA1700 Socket)
- Intel® Q670 Chipset
- Support 4 x DDR4 RAM DIMM Maximum up to 128GB
- 2 x Intel i2XX Gigabit LAN
- 2 x PCIE X16, 4 x PCIE X4, 1 x PCI slots expansion
- Support “Wake on LAN” and 6 x Serial port, TPM 2.0 supported

| Specification |  |
|---------------|--|
| Item          | Description  |
| Form Factor   | ATX  |
| Processor     | Support LGA1700 Intel® 12 <sup>th</sup> to 13 <sup>rd</sup> generation Core™ i3/i5/i7/i9 |
| System Memory | Support 4 x 3200Mhz DDR4 RAM DIMM Max. up to 128GB                                       |
| Chipset       | Intel® Q670  |
| Ethernet      | 2 x Intel i2XX Gigabit LAN   |

|                       |  |
|-----------------------|--|
| BIOS                  | AMI 64MB SPI   |
| Watchdog Timer        | 1 to 255 Seconds   |
| HW State Monitoring   | Monitor the state of voltage, temperature and speed of the fan   |
| Expansion             | 2 x PCIE X16, 4 x PCIE X4, 1 x PCI Slots   |
| Battery               | Lithium battery  |
| Power Supply          | ATX24Pin + 8Pin  |
| Dimension             | 305mm × 245mm  |
| Operating Temperature | 0~60 Celsius Degree  |
| Storage Temperature   | -20~80 Celsius Degree  |
| Operating Humidity    | 0%-90% relative humidity, no condensation  |
| <b>Display</b>        |  |
| Controller            | Intel® HD Integrated <ul style="list-style-type: none"> <li>• 1 x VGA supports the highest resolution 1920 X 1080 @60Hz</li> <li>• 1 x HDMI supports the highest resolution 4096 x 2160 @ 60Hz</li> <li>• 1 x DP supports the highest resolution 4096 x 2304 @ 60Hz</li> </ul> |
| <b>I/O</b>            |  |
| Storage               | 4 x SATAIII (support RAID 0/1/5/10); 1 x M.2 (PCIe x4 M-key 2280)  |
| Serial Port           | 6 x COM, 2 x RS-232/485 (COM 1&2)  |
| USB                   | 6 x USB 3.2 (External); 8 x USB2.0 (Internal)  |
| Others                | 1 x LPT, 1 x PS/2  |
| GPIO (Digital I/O)    | 8-channel programmable   |
| TPM                   | TPM 2.0 supported  |
| Audio                 | Realtek ALC897; support MIC-IN, Line-OUT and Line-IN   |