

# PPC-MB-610



## Features

- Supports Intel® 8th & 9th Gen Core™ i processor (LGA1151) with Intel Q370 chipset
- Two 260-pin SO-DIMM up to 32GB DDR4 2666 MHz SDRAM
- Supports triple display of DP/VGA/LVDS
- Supports PCIe x16 (Gen 3), 1 M.2 M key & 1 M.2 E key, 6 x USB 3.1
- Supports 2 x SATA 3.0 (Raid 0, 1)
- Supports TPM 2.0 (optional)
- Supports 4 RS-232, 1 RS-232/422/485
- Supports 1 GPIO(8 channels)

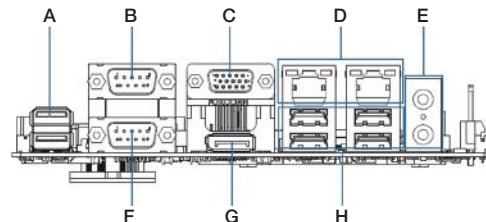
## Specifications

CPU	CPU	i7-8700/ i7-8700T	i5-8500/ i5-8500T	i3-8100/ i3-8100T	Pentium G5400/G5400T	Celeron G4900/ G4900T	i7-9700TE	i5-9500TE	i3-9100TE
	Core NO.	6/6	6/6	4/4	2/2	2/2	8	6	4
	Max Speed	3.2 GHz (up to 4.6GHz)/ 2.4 GHz (up to 4.0GHz)	3.0 GHz (up to 4.1GHz)/ 2.1 GHz (up to 3.5GHz)	3.6/3.1 GHz	3.7 / 3.1 GHz	3.1 / 2.9 GHz	1.8 GHz (up to 3.8GHz)	2.2 GHz (up to 3.6GHz)	2.2 GHz (up to 3.2GHz)/
	L3 Cache	12 / 12 MB	9 / 9 MB	6 / 6 MB	4 / 4 MB	2 / 2 MB	12 MB	9 MB	6 MB
	TDP	65 / 35 W	65 / 35 W	65 / 35 W	54 / 35 W	54 / 35 W	35 W	35 W	35 W
<b>Chipset</b>		Q370							
<b>Memory</b>		2 x 260-pin SODIMM DDR4 , 2666 MHz , up to 32 GB ( non-ECC )							
<b>Network (LAN)</b>		2 x 10/100/1000 Mbps Ethernet and 1 x Intel® L219LM (support AMT 12.0 only for i7 & i5) , 1 x Intel i211							
<b>Rear I/O</b>		1 x RS232/422/485 , 1 x RS232 , 1x DP1.2 , 1 x VGA , 6 x USB3.1 , 1 x Line-out , 1 x Mic-in							
<b>Internal Connector</b>		3 x RS232 , 1 x GPIO ( 8 channels ) , 1 x speaker , 1 x LED , 2 x USB 2.0 , 1 x LVDS , 1 x touch control , 2 x SATA 3.0 ( support RAID 0,1 ) , 1 x TPM2.0							
<b>Watchdog Timer</b>		255 timer intervals , configurable using software							
<b>Expansion</b>		1 x M.2 slot(2280 M key) for storage; 1 x M.2 slot (2230) for wireless 1 x PCIe16 slot for riser card							
<b>Dimensions (W x H)</b>		170 mm x 170 mm (6.69" x 6.69")							
<b>OS Support</b>		Microsoft® Windows 10 ( 64 bit ) , Linux							

## Ordering Information

Part Number	Description
PPC-MB-610	Mini-ITX M/B support 8/9th Core i for PPC-6000C
PPC-MB-610U (for U.S. only)	Mini-ITX M/B support 8/9th Core i for PPC-6000C

## I/O view



- |                         |                    |
|-------------------------|--------------------|
| A. USB3.1               | E. Line-out/Mic-in |
| B. RS232                | F. RS232/422/485   |
| C. VGA                  | G. Display Port    |
| D. 2 x Gigabit Ethernet | H. USB 3.1         |