



**Industrial Full-size PICMG 1.3 SBC supports 9<sup>th</sup> Generation Intel® Core™ Processors with Intel® C246/Q370/H310 PCH, SATA3, M.2 Key, USB 3.1, Dual LAN and DVI-I**



## Features

- Supports Intel 9<sup>th</sup> Gen. Core Processors
- Dual Gigabit Ethernet supported
- (6) SATA-600 with RAID 0/1/5/10 (C246/Q370)
- Watchdog & Hardware Monitor function
- Supports Intel® AMT and vPro (C246/Q370)

## CPU

- LGA1151 for 9<sup>th</sup> Generation Intel® Core™ and Xeon E Processors (C246), up to 95W

## Chipset

- Intel® C246/Q370/H310

## System Memory

- (2) 288-pin DDR4 2400/2666 un-buffered DIMM max. up to 64GB (C246 supports ECC)

## Display Interface

- Intel® HD Graphics
- (1) DVI-I, (1) DisplayPort++ (onboard header)

## Ethernet

- 1st port with Intel® i219LM with AMT 11 support
- 2nd port with Intel® i211AT
- support WOL, RPL/PXE Boot ROM

## Audio

- Optional Audio Codec with external module

## TPM

- Optional TPM 2.0 module

## I/O Interface

- (2) RS232 & (2) RS232/422/485 serial ports
- C246/Q370: (2) USB 3.1 Gen.2 & (4) USB 3.1 Gen.1, (2) USB 2.0 Ports
- H310: (4) USB3.1 Gen. 2 & (2) USB 2.0 Ports
- C246/Q370: (6) SATA-600 support RAID 0/1/5/10
- H310: (4) SATA-600
- M.2 Key M 2280, PCIe x4 signal
- (1) PS/2 keyboard & (1) PS/2 mouse & (1) LPT

## Expansion Interface

- Edge Connector A: (1) PCIe x16, Gen. 3 Edge Connector B: (1) PCIe x4 or (4) PCIe x1, Gen. 2
- (4) 32 bit PCI bus masters

## Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10% ~ 95%

## Dimension

- 338mm x 126mm

## Ordering Information

<b>SBC-6511S 2GND-Q</b>	LGA1151 Socket 9th Generation Intel® Core™ processors, Intel® Q370 PCH, USB 3.1, SATA 3.0, Dual LAN, DVI-I
<b>SBC-6511S 2GND-C</b>	Intel® C246 PCH, supports Xeon E
<b>SBC-6511S 2GND-H</b>	Intel® H310 PCH
<b>AAC-93242</b>	Optional Audio Kit