



Industrial Full-size PICMG 1.3 SBC supports 8th 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 8th 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 8th Generation Intel® Core™ Processors

Chipset

- Intel® C246/Q370/H310

System Memory

- (2) 288-pin DDR4 2400/2666 un-buffered DIMM max. up to 32GB (C246 supports ECC)

Display Interface

- Intel® HD Graphics
- (1) DVI-I

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, (4) USB 2.0 Ports
- H310: (4) USB3.1 Gen. 2 & (4) 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

SBC-6511 2GND-Q	LGA1151 Socket 8th Generation Intel® Core™ processors, Intel® Q370 PCH, USB 3.1, SATA 3.0, Dual LAN, DVI-I
SBC-6511 2GND-C	Intel® C246 PCH
SBC-6511 2GND-H	Intel® H310 PCH
AAC-93242	Optional Audio Kit