



Industrial Full-size PICMG 1.3 SBC supports 6th/7th Generation Intel® Core™ Processors with Intel® Q170/H110 PCH, SATA3, USB 3.0, LAN and DVI-I



Features

- Supports Intel 6th Gen. Core i3/i5/i7 Processors
- Dual Gigabit Ethernet supported
- (6) SATA-600 with RAID 0/1/5/10 (for Q170)
- Watchdog & Hardware Monitor function
- DVI/VGA outputs

CPU

- LGA1151 for 6th/7th Generation Intel® Core™ Processors, TDP up to 65W vPro Supported

Chipset

- Intel® Q170/H110

System Memory

- (2) 288-pin DDR4 2133 un-buffered DIMM max. up to 32GB

Display Interface

- Intel® HD Graphics
- (1) DVI-I

Ethernet

- 1st ports as 10/100/1000Mbps support WOL,RPL/PXE Boot ROM with Intel® i219LM with AMT 11 support
- 2nd port as 10/100/1000Mbps support WOL,RPL/PXE Boot ROM with Intel® i211AT

Audio

- Optional Audio Codec with external module

TPM

- Infineon TPM 1.2 SLB9635 (optional)

I/O Interface

- (5) RS232 & (1) RS232/422/485 serial ports
- Q170: (2) USB 3.0 and (10) USB 2.0 ports
- H110: (2) USB3.0 and (8) USB 2.0 ports
- Q170: (6) SATA-600 support RAID 0/1/5/10
- H110: (4) SATA-600
- (1) PS/2 keyboard & (1) PS/2 mouse

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-6510 2GND-Q	LGA1151 Socket 6th Generation Intel® Core™ i7/ i5/ i3 processors, Intel® Q170 PCH, USB 3.0, SATA 3.0, Dual LAN, DVI-I
SBC-6510 2GND-H	Intel® H110 PCH
SBC-6510A2GND-Q	Q170 with Audio