



Industrial Full-size PICMG 1.3 SBC supports 6th Generation Intel® Core™ Processors with Intel® Q170 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
- Watchdog & Hardware Monitor function
- DVI/VGA outputs

CPU

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

Chipset

- Intel® Q170

System Memory

- (2) 240-pin DDR4/-2133 un-buffered DIMM max. up to 16GB

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 9.0 support
- 2nd port as 10/100/1000Mbps support WOL, RPL/PXE Boot ROM with Intel® i211AT

Audio

- Built-in HD Audio Codec

TPM

- Infineon TPM 1.2 SLB9635 (optional)

I/O Interface

- (5) RS232 & (1) RS232/422/485 serial ports
- (2) USB 3.0 and (10) USB 2.0 ports
- (6) SATA-600 support RAID 0/1/5/10
- (1) PS/2 keyboard & (1) PS/2 mouse

Expansion Interface

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

Environment Spec

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

Dimension

- 338mm x 126mm

Ordering Information

SBC-6510A2GI LGA1151 Socket 6th Generation Intel® Core™ i7/ i5/ i3 processors, Intel® Q170 PCH, USB 3.0, SATA 3.0, Dual LAN, DVI-I