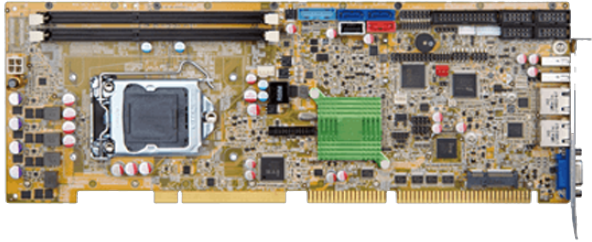


# WSB-H810

Full-size PICMG 1.0 CPU Card supports LGA 1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU with Intel® H81,



## Features

- » Full-size PICMG 1.0 with LGA 1150 Intel® CPU
- » Two 1600/1333 MHz DDR3 SDRAM DIMM slots support up to 16 GB of memory
- » Dual Intel® Gigabit Ethernet LAN controller
- » SATA 6Gb/s and USB 3.0 supported
- » IEI One Key Recovery solution for rapid OS backup and recovery
- » TPM v1.2 hardware security function supported by TPM module
- » Stiffener bars
- » IEI jumper-less function

## Specifications

| System                      |   |
|-----------------------------|---|
| CPU                         | 4th generation LGA 1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported |
| Chipset                     | Intel® H81  |
| Memory                      | Two 240-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs              |
| Memory Max.                 | 16 GB   |
| Cooling method / System Fan | CF-1150SB-R11   |
|                             | CF-1150SC-R20   |
|                             | CF-1150SE-R11   |
|                             | CF-1150SF-R10   |
| Physical Characteristics    |   |
| Dimensions (LxWxH) (mm)     | 338 X 122   |
| Net Weight                  | 260   |
| Storage                     |   |
| Storage                     | 3 x SATA :2 x 6Gb/s,1 x 3Gb/s(AHCI supported, no RAID)                                  |
|                             | 1 x mSATA   |
| I/O Interface               |   |
| Display Output              | 1 x VGA :up to 1920x1200@60Hz   |
|                             | 1 x iDP :for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)                           |
| Ethernet                    | 2 x LAN :1 x Intel® I217-LM Ethernet controller,1 x Intel® I211-AT Ethernet controller  |
| Audio                       | Description: :7.1-channel HD Audio supported by IEI AC-KIT-892HD kit                    |
| I/O Interface               | 4 x Internal RS-232 :2x5 pin, P=2.54  |
|                             | 1 x Internal RS-422/485 :1x4 pin, P=2.0   |
|                             | 2 x External USB 2.0  |
|                             | 5 x Internal USB 2.0 :1 X 180° Type-A,4 X 2x4 pin,P=2.54                                |
|                             | 2 x Internal USB 3.2 Gen1x1 :2x10 pin   |
|                             | 1 x PS/2 :1x6 pin   |
|                             | 1 x LPT :2x13 pin   |
| Expansion                   | 2 x PCIe mini Card Slot :1 x support mSATA  |

|                       |   |
|-----------------------|---|
| Other Features        |   |
| TPM                   | 2x10 pin  |
| Power                 |   |
| Power Consumption     | 5V@3.4A, 12V@0.36A, Vcore_12V@7.48A, 3.3V@1.42A, 5VSB@0.13A<br>(Intel® Core™ i7-4770K 3.90 GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory) |
| Power Supply          | 5V/12V, Support AT/ATX mode   |
| Environment           |   |
| Operating Temperature | -20°C ~ 60°C  |
| Storage Temperature   | -30°C ~ 70°C  |
| Humidity              | 5% ~ 95%, non-condensing  |
| Certifications        |   |
| Safety & EMC          | CE/FCC compliant  |

## Ordering Information

|              |  |
|--------------|--|
| WSB-H810-R10 | Full-size PICMG 1.0 CPU card supports LGA1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU per Intel® H81, DDR3, VGA/iDP, Dual Intel GbE, USB 3.0, SATA 6Gb/s, PCIe Mini, mSATA, RS-232, HD Audio and RoHS |
|--------------|--|

## Packing List

|                                    |                |
|------------------------------------|----------------|
| 1 x WSB-H810 single board computer | 2 x SATA cable |
| 1 x QIG                            |                |