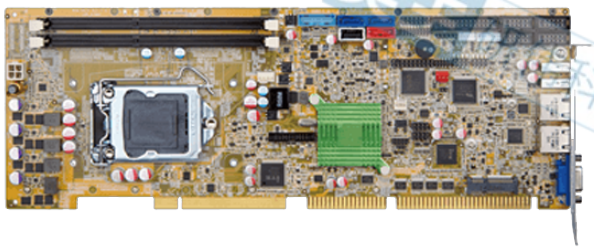
WSB-H810

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
	(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

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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	