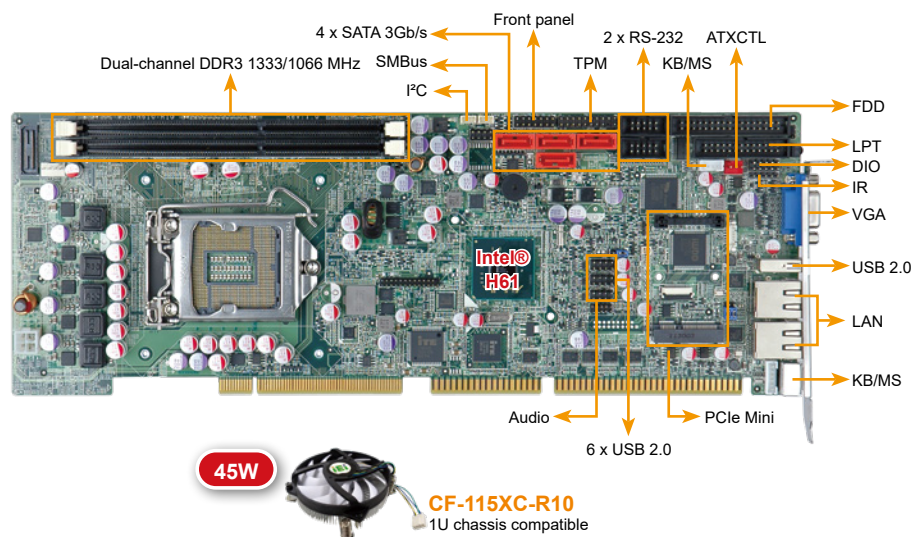


# WSB-H610-R11

Full-size PICMG 1.0 CPU card supports 32nm LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® H61, DDR3, VGA, dual Realtek PCIe GbE, USB 2.0, SATA 3Gb/s, COM, HD Audio and RoHS



## Specifications

- ◆ CPU  
LGA 1155 socket supports Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor
- ◆ Chipset  
Intel® H61
- ◆ Memory  
Two 240-pin 1333/1066 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 16 GB
- ◆ BIOS  
UEFI
- ◆ Graphics Engine  
Intel® HD Graphics Gen 6 supports DX10.1 and OpenGL 3.0  
Full MPEG2, VC1, AVC Decode
- ◆ Display Output  
1 x VGA (up to 2048x1536@75Hz)
- ◆ Ethernet  
LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support  
LAN2: Realtek RTL8111E PCIe GbE controller
- ◆ External I/O Interface
  - 1 x KB/MS
  - 1 x USB 2.0
- ◆ Internal I/O Interface
  - 1 x FDD (2x17 pin)
  - 1 x LPT (2x13 pin)
  - 2 x RS-232 (2x5pin, P=2.54)
  - 6 x USB 2.0 (2x4 pin, P=2.54)
  - 1 x KB/MS (1x6 pin)
  - 1 x RS-422/485 (1x4 pin, P=2.0)
  - 4 x SATA 3Gb/s (no AHCI & RAID support)
- ◆ Audio  
Supports 7.1-channel HD Audio by IEC AC-KIT-892HD-R10 kit
- ◆ Front Panel  
1 x Front panel (2x7 pin, power LED, HDD LED, speaker, power button, reset button)
- ◆ TPM  
1 x TPM (2x10 pin)
- ◆ SMBus  
1 x SMBus (1x4 pin)
- ◆ I2C  
1 x I2C (1x4 pin)
- ◆ Expansion  
PCI signal and ISA signal via golden finger
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O  
8-bit digital I/O (2x5 pin)
- ◆ Fan Connector  
1 x CPU smart fan (1x4 pin)  
1 x System smart fan (1x4 pin)
- ◆ Power Supply  
5V/12V, AT/ATX support
- ◆ Power Consumption  
5V@4.53A, 12V@0.19A, Vcore\_12V@7.81A, 5VSB@0.18A  
(3.4GHz Intel® Core™ i7-2600K with two 2 GB 1333 MHz DDR3 memory)
- ◆ Operating Temperature  
-10°C ~ 60°C
- ◆ Storage Temperature  
-20°C ~ 70°C
- ◆ Operating Humidity  
5% ~ 95%, non-condensing
- ◆ Dimensions  
338 mm x 122 mm
- ◆ Weight  
GW: 1000g / NW: 260g
- ◆ CE/FCC compliant

## Features

- Full-size PICMG 1.0 CPU card with LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- Two DDR3 & DDR3L 1333/1066 MHz DIMM SDRAM support up to 16 GB
- Embedded controller on board supports infrared and PECI 2.0 technologies
- Dual Realtek PCIe GbE and LAN1 with ASF 2.0 support
- TPM V1.2 hardware security function supported by TPM module

## Packing List

|                                    |
|------------------------------------|
| 1 x WSB-H610 single board computer |
| 1 x Dual RS-232 cable with bracket |
| 1 x KB/MS Y cable                  |
| 1 x USB cable                      |
| 2 x SATA cable                     |
| 1 x Mini jumper pack               |
| 1 x QIG                            |

## Ordering Information

| Part No.            | Description                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSB-H610-R11        | Full-size PICMG 1.0 CPU card supports 32nm LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® H61, DDR3, VGA, dual Realtek PCIe GbE, USB 2.0, SATA 3Gb/s, COM, HD Audio and RoHS |
| 19800-000049-RS     | LPT flat cable, 240mm, P=2.54                                                                                                                                                                      |
| 19800-000075-RS     | PS/2 KB/MS cable with bracket, 220mm, P=2.0                                                                                                                                                        |
| 32006-000300-100-RS | PS/2 KB/MS Y-cable without bracket, 140mm/120mm                                                                                                                                                    |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P                                                                                                                                                         |
| 32200-000017-RS     | FDD cable, 520mm, P=2.54                                                                                                                                                                           |
| AC-KIT-892HD-R10    | 7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams                                                                                                                           |
| CF-115XA-R10        | High performance LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 73W                                                                                                                          |
| CF-115XC-R10        | LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 45W                                                                                                                                           |
| CF-115XD-R10        | LGA 1155/LGA 1156 cooler kit, 1U chassis compatible, 65W                                                                                                                                           |
| CF-115XE-R10        | High performance LGA 1155/LGA 1156 cooler kit, 95W                                                                                                                                                 |
| SAIDE-KIT01-R10     | SATA to IDE/CF converter board                                                                                                                                                                     |
| TPM-IN01-R20        | 20-pin Infineon TPM module, software management tool, firmware v3.17                                                                                                                               |