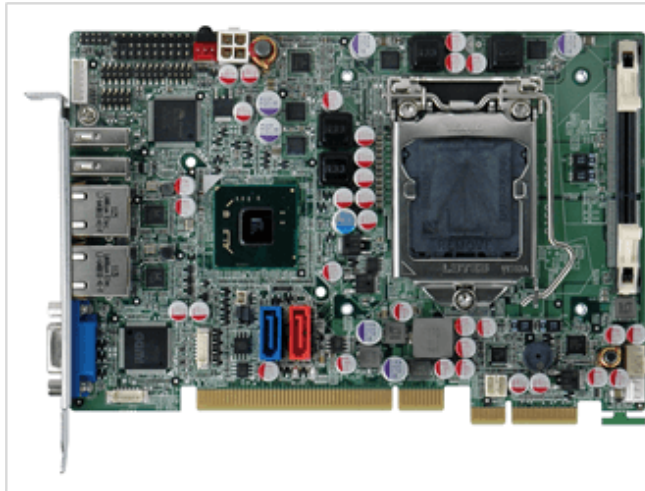


## PIC0e-B650

Half-size PCIe CPU Card supports LGA 1155 32nm Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® B65



### Features

- » Half-size PCIe CPU card with LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- » One 1333/1066 MHz DDR3/DDR3L (1.35V) SDRAM SO-DIMM supports up to 8 GB
- » On-board embedded controller supports infrared and PECI 2.0 technologies
- » One SATA 6Gb/s and dual Realtek PCIe GbE
- » TPM V1.2 hardware security provided by the TPM module
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

### Specifications

|                        |   |
|------------------------|---|
| <b>Environment</b>     |   |
| Humidity               | 10% ~ 95%, non-condensing   |
| Operating Temperature  | -10°C ~ 60°C  |
| <b>Expansion Slots</b> |   |
| Expansion Slots        | PCIe signal and PCI signal via golden finger  |
| <b>I/O Interface</b>   |   |
| Audio                  | Supports 7.1 channel HD audio by IEI AC-KIT-892HD-R10 kit   |
| Digital I/O            | 8-bit digital I/O (4-bit input, 4-bit output)   |
| Display                | 1 x VGA (up to 2048 x 1536 @75Hz)   |
| Ethernet               | LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support<br>LAN2: Realtek RTL8111E PCIe GbE controller       |
| <b>I/O Interface</b>   |   |
| I/O Interface          | 1 x I <sup>2</sup> C  |
|                        | 2 x Internal RS-232   |
|                        | 2 x Internal USB 2.0  |
|                        | 1 x KB/MS   |
|                        | 1 x SMBus   |
|                        | 2 x USB 2.0   |
| <b>Power</b>           |   |
| Power consumption      | 5V@3.17A, 12V@0.46A, Vcore_12V@7.26A, 5VSB@0.18A<br>(3.4GHz Intel® Core™ i7-2600K with two 2GB 1333MHz DDR3 memory) |
| <b>Storage</b>         |   |
| Storage                | 1 x SATA 3Gb/s<br>1 x SATA 6Gb/s  |
| <b>System</b>          |   |
| Chipset                | Intel® B65  |
| CPU                    | Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor   |
| CPU Socket             | LGA1155   |
| Memory Max.            | One 204-pin 1333/1066MHz DDR3 & DDR3L (1.35V) SO-DIMM supported<br>(system max. 8GB)                                |
| <b>Watchdog Timer</b>  |   |
| Watchdog Timer         | Software programmable supports 1~255 sec. system reset  |

## Ordering Information

|                |   |
|----------------|---|
| PICOe-B650-R10 | Half-size PCIe CPU card supports 32nm LGA1155 Intel Core i7/i5/i3 CPU per Intel B65,DDR3,VGA,Dual Realtek PCIe GbE,USB 2.0,SATA 6Gb/s,HD Audio and RoHS |
|----------------|---|

## Packing List

|                                      |                                    |
|--------------------------------------|------------------------------------|
| 1 x PICOe-B650 single board computer | 1 x Dual RS-232 cable with bracket |
| 1 x USB cable                        | 1 x Mini jumper pack               |
| 2 x SATA cable                       | 1 x QIG                            |