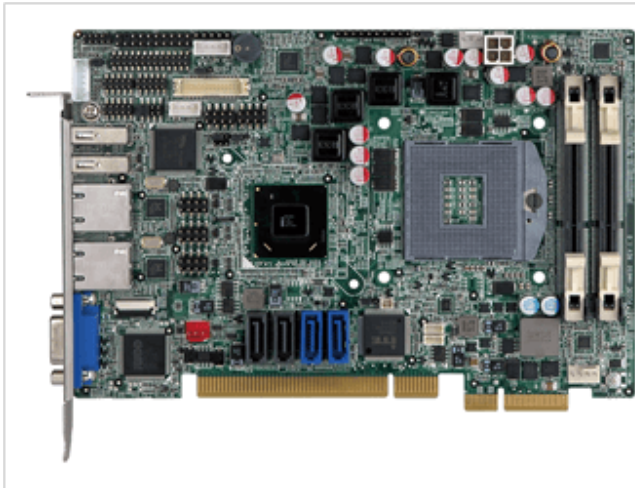


# PIC0e-HM650

Half-size PCIe CPU Card supports Socket 988B Intel® Mobile Core™ i7/i5/i3 or Celeron® CPU with Intel® HM65



## Features

- » Half-size PCIe CPU card supports Socket G2 32nm Intel® Core™ i7/i5/i3 or Celeron® processor
- » Up to 16 GB 1333/1066 MHz dual-channel DDR3 SDRAM
- » Supports 18/24-bit dual-channel LVDS and analog CRT output
- » High-speed I/O interface provided through the 2nd gen PCIe add-on card and SATA 6Gb/s connectors
- » Rich media acceleration for hardware encoding and decoding
- » TPM V1.2 hardware security provided by the TPM module
- » IEI One Key Recovery solution allows you to create raid OS backup and recovery

## Specifications

|                        |  |
|------------------------|--|
| <b>System</b>          |  |
| CPU                    | Intel® Mobile Core™ i7/i5/i3/Celeron® CPU  |
| Chipset                | Intel® HM65  |
| Memory Max.            | Two 204-pin 1333/1066 MHz dual-channel DDR3 SO-DIMMs supported (system max. 16GB)  |
| CPU Socket             | Socket 988B  |
| <b>I/O Interface</b>   |  |
| Ethernet               | LAN1: Realtek RTL8111E GbE controller with ASF 2.0 support<br>LAN2: Realtek RTL8111E GbE controller                      |
| Digital I/O            | 8-bit digital I/O (4-bit input, 4-bit output)  |
| Display                | Dual display supported<br>1 x VGA (up to 2048 x 1536 @75Hz)<br>1 x 18/24-bit dual-channel LVDS (up to 1920 x 1200 @60Hz) |
| Audio                  | Supports 7.1 channel HD audio by IEI AC-KIT-892HD-R10 kit  |
| <b>I/O Interface</b>   |  |
| I/O Interface          | 2 x Internal RS-232<br>1 x Internal RS-422/485<br>6 x Internal USB 2.0<br>1 x KB/MS<br>1 x LPT<br>2 x USB 2.0            |
| <b>Power</b>           |  |
| Power consumption      | 5V@3.99A, 12V@0.43A, Vcore_12V@3.80A, 5VSB@0.06A<br>(2.70GHz Intel® Core™ i7-2620M with two 2GB 1333MHz DDR3 memory)     |
| <b>Environment</b>     |  |
| Operating Temperature  | -10°C ~ 60°C   |
| Humidity               | 10% ~ 95%, non-condensing  |
| <b>Storage</b>         |  |
| Storage                | 1 x SATA 3Gb/s<br>1 x SATA 6Gb/s   |
| <b>Expansion Slots</b> |  |

|                 |  |
|-----------------|--|
| Expansion Slots | PCIe signal and PCI signal via golden finger           |
| Watchdog Timer  |  |
| Watchdog Timer  | Software programmable supports 1~255 sec. system reset |

## Ordering Information

|                 |  |
|-----------------|--|
| PICOe-HM650-R10 | Half-size PCIe CPU card supports 32nm Socket G2 Intel® mobile Core™ i7/i5/i3 CPU per Intel® HM65 PCH,VGA/LVDS,Dual PCIe GbE,SATA 6Gb/s and HD Audio,RoHS |
|-----------------|--|

## Packing List

|                                       |                      |
|---------------------------------------|----------------------|
| 1 x PICOe-HM650 single board computer | 2 x SATA cable       |
| 1 x Dual RS-232 cable                 | 1 x Mini jumper pack |
| 1 x USB cable                         | 1 x QIG              |