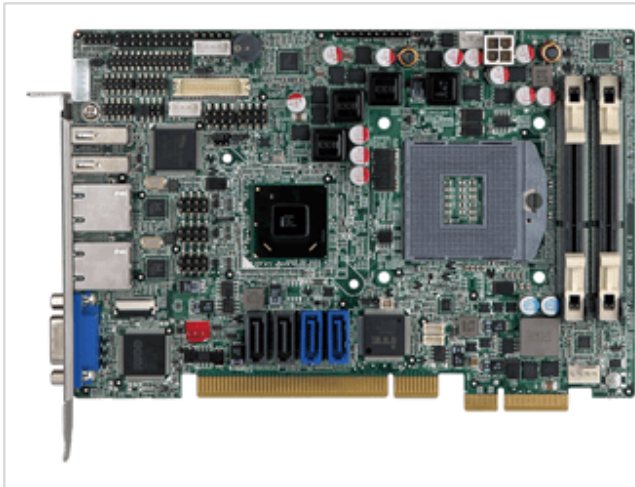


PIC0e-HM650

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

| | |
|-----------------------|--|
| System | |
| 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 |
| I/O Interface | |
| Ethernet | LAN1: Realtek RTL8111E GbE controller with ASF 2.0 support LAN2: Realtek RTL8111E GbE controller |
| Digital I/O | 8-bit digital I/O (4-bit input, 4-bit output) |
| Display | Dual display supported 1 x VGA (up to 2048 x 1536 @75Hz) 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 |
| I/O Interface | |
| I/O Interface | 2 x Internal RS-232 1 x Internal RS-422/485 6 x Internal USB 2.0 1 x KB/MS 1 x LPT 2 x USB 2.0 |
| Power | |
| Power consumption | 5V@3.99A, 12V@0.43A, Vcore_12V@3.80A, 5VSB@0.06A (2.70GHz Intel® Core™ i7-2620M with two 2GB 1333MHz DDR3 memory) |
| Environment | |
| Operating Temperature | -10°C ~ 60°C |
| Humidity | 10% ~ 95%, non-condensing |
| Storage | |
| Storage | 1 x SATA 3Gb/s 1 x SATA 6Gb/s |
| Expansion Slots | |

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

Ordering Information

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|-----------------|--|
| 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 |