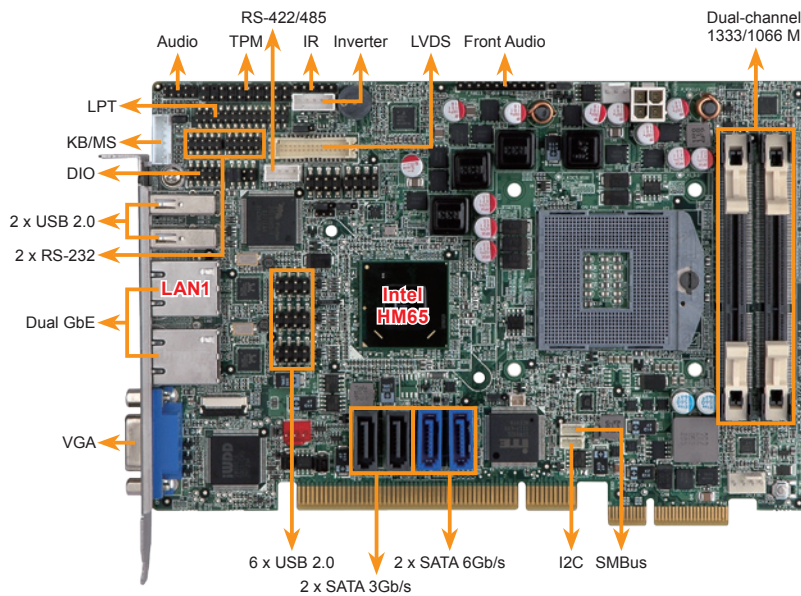


PIC0e-HM650

Half-size PCIe CPU card Supports Socket 989B 32nm Intel® mobile Core™ i7/i5/i3/Celeron® CPU with Intel® HM65, DDR3, VGA/LVDS, Dual PCIe GbE, SATA 6Gb/s, HD Audio and RoHS

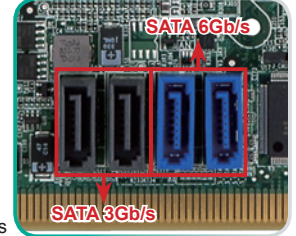


New

SATA 6Gb/s and SATA 3Gb/s



The 2nd gen Intel® processors provide advanced technology and intelligent performance.



The latest SATA 6Gb/s interfaces have double the speed of SATA 3Gb/s.



TPM 1.2 Support



CPU cooler
P/N: CF-989A-RS-R12

Specifications

- ◆ CPU
Socket G2 supports Intel® Core™ i7/i5/i3/Celeron® processor
- ◆ System Chipset
Intel® HM65
- ◆ Memory
Two 204-pin 1333/1066 MHz dual-channel DDR3 SO-DIMMs supported (system max. 16GB)
- ◆ BIOS
UEFI
- ◆ Graphics Engine
Intel® HD Graphics Gen 6 support for DX10.1 and OpenGL 3.0
Full MPEG2, VC1, AVC Decode
- ◆ Display Output
Dual display supported
1 x VGA
1 x 18/24-bit dual-channel LVDS
- ◆ Ethernet
Dual PCIe Realtek RTL8111E GbE controller, LAN1 with ASF 2.0 supported
- ◆ Super I/O
Fintek F81866
- ◆ Embedded Controller
ITE IT8519E
- ◆ I/O Interface
1 x RS-422/485 2 x RS-232
2 x SATA 3Gb/s 2 x SATA 6Gb/s
1 x LPT 1 x 6-pin wafer for KB & MS
8 x USB 2.0 (2 on rear, 6 by pin header)
- ◆ Audio
Supports 7.1 channel HD audio by IEI AC-KIT-888HD kit
- ◆ Front Panel
1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- ◆ TPM
1 x 20-pin header
- ◆ SMBus
1 x 4-pin wafer
- ◆ I2C
1 x 4-pin wafer
- ◆ PCIe to PCI Bridge IC
ITE IT8892E
- ◆ Expansion
PCIe signal and PCI signal via golden finger
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Fan Connector
1 x 4-pin smart Fan Connector
1 x 3-pin system Fan Connector
- ◆ Power Supply
5V/12V, AT/ATX support
- ◆ 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)
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~95%, non-condensing
- ◆ Dimensions
185 mm x 122 mm
- ◆ Weight
GW: 1000g/NW: 260g



Features

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

Packing List

1 x PIC0e-HM650 single board computer
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
2 x SATA cable (P/N: 32801-000703-200-RS)
1 x USB cable (P/N: 19800-003100-200-RS)
1 x One Key Recovery CD
1 x Mini jumper pack
1 x Utility CD
1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
PIC0e-HM650-R10	Half-size PCIe CPU card supports 32nm Socket 989B Intel® mobile Core™ i7/i5/i3/Celeron® CPU with Intel® HM65, DDR3, VGA/LVDS, dual PCIe GbE, SATA 6Gb/s, HD Audio and RoHS
32205-003800-100-RS	RS-422/485 cable, 200mm
19800-000075-RS	KB/MS cable with bracket
SAIDE-KIT01-R10	SATA to IDE/CF converter board
32102-000100-200-RS	SATA power cable
32200-015100-RS	LPT cable
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 supports dual audio streams
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17
CF-989A-RS-R12	CPU cooler for mobile socket 989 and 55W CPU
CF-989B-RS	CPU cooler for mobile socket 989 and 50W CPU