PICOe-B650

Specifications

- CPU
  LGA 1155 socket supports Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor
- Chipset
  Intel® B65
- Memory
  One 240-pin 1333/1066 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 8 GB
- BIOS
  UEFI
- Graphics Engine
  Intel® HD Graphics Gen 6 supports DX10.1 and OpenGL 3.0
  Full MPEG2, VC1, AVC decoding
- Display Output
  1 x VGA (up to 2048x1536@75Hz)
- Ethernet
  LAN1: Realtek RTL8111E PCIe GbE controller
  LAN2: Realtek RTL8111E PCIe GbE controller
- External I/O Interface
  2 x USB 2.0
  1 x LPT (2x13 pin)
  1 x KB/MS (1x6 pin)
- Internal I/O Interface
  1 x KB/MS (1x8 pin)
  1 x LPT (2x13 pin)
  1 x SATA 6Gb/s
- Audio
  Supports 7.1-channel HD Audio by IEI AC-KIT-892HD-R10 kit
- Front Panel
  1 x Front panel connector (1x10 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
  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 (2x5 pin)
- Fan Connector
  1 x CPU smart fan (1x4 pin)
  1 x System smart fan (1x4 pin)
- Power Supply
  5V/12V, ATX12V support
- Power Consumption
  5V@3.36A, 12V@8.46A, Vcore, 12V@7.26A, 5VSB@0.81A
  (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
  185 mm x 122 mm
- Weight
  GW: 1000g / NW: 260g
- CE/FCC compliant

Features

- Half-size PCIe 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 raidos OS backup and recovery

Packing List

1 x PICOe-B650 single board computer
1 x SATA cable
1 x Key Recovery CD
1 x Utility CD

Ordering Information

Part No. Description

- PICOe-B650-R10 Half-size PCIe card supports 32mm LGA 1155 Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® B65, DDR3, VGA, dual Realtek PCIe GbE, USB 2.0, SATA 6Gb/s, HD Audio and RoHS
- 19800-000075-200-RS SATA power cable, MOLEX 5264-4P to SATA15P
- CF-115XA-R10 7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams
- CPU-DT-C-G440 Intel® Celeron® G440 processor, LGA 1156, single core 1.6GHz, 1M cache, compatible with CF-1156C-R20 CPU cooler
- CPU-DT-i3-2120T Intel® Core™ i3-2120T processor, LGA 1155, dual core 2.3GHz, 3M cache, 35W, compatible with CPU-DT-C-G440 CPU cooler
- CPU-DT-i5-2390T Intel® Core™ i5-2390T processor, LGA 1155, dual core 2.7GHz, 4M cache, 35W, compatible with CPU-DT-C-G440 CPU cooler
- CPU-DT-i5-2500T Intel® Core™ i5-2500T processor, LGA 1155, quad core 2.7GHz, 6M cache, 45W, compatible with CPU-DT-C-G440 CPU cooler
- SAIDE-KIT01-R10 SATA to IDE/CF converter board
- TPM-INS1-R20 20-pin Infineon TPM module, software management tool, firmware v3.17

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