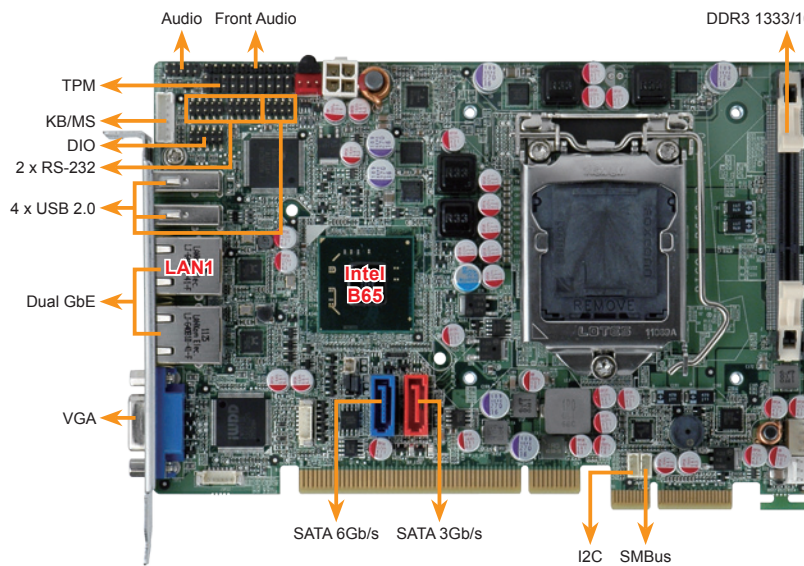


PIC0e-B650

Half-size PCIe CPU card Supports LGA1155 32nm Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® B65, DDR3, VGA, Dual Realtek PCIe GbE, USB 2.0, SATA 6Gb/s, HD Audio and RoHS



2nd Gen Intel® Core Processors
(TDP=35W) Suggest List

New

CPU No.	Clock speed	Core	Smart cache	TDP
i5-2390T	2.7GHz	2	3M	35W
i3-2120T	2.6GHz	2	3M	35W
i3-2100T	2.5GHz	2	3M	35W
G630T	2.3GHz	2	3M	35W
G620T	2.2GHz	2	3M	35W
G530T	2.0GHz	2	2M	35W
G440	1.6GHz	1	1M	35W



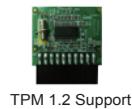
CF-1156C-RS
1U chassis compatible



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

Specifications

- ◆ CPU
LGA1155 socket supports Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- ◆ System Chipset
Intel® B65
- ◆ Memory
One 204-pin 1333/1066MHz DDR3 & DDR3L (1.35V) SO-DIMM supported (system max. 8GB)
- ◆ BIOS
UEFI
- ◆ Graphics Engine
Intel® HD Graphics Gen 6 supports for DX10.1 and OpenGL 3.0
Full MPEG2, VC1, AVC Decode
- ◆ Display Output
1 x VGA
- ◆ Ethernet
Dual Realtek RTL8111E PCIe GbE controller, LAN1 with ASF 2.0 support
- ◆ Super I/O
Fintek F81866
- ◆ Embedded Controller
ITE IT8519E
- ◆ I/O Interface
2 x RS-232 4 x USB 2.0 (2 on rear, 2 by pin header)
1 x SATA 3Gb/s 1 x SATA 6Gb/s
1 x 6-pin wafer for KB & MS
- ◆ 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
- ◆ 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@3.17A, 12V@0.46A, Vcore_12V@7.26A, 5VSB@0.18A
(3.4GHz Intel® Core™ i7-2600K 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



TPM 1.2 Support



DDR3
1333



1.35V
DDR3



SATA 3Gb/s



PCle GbE

Features

1. Half-size PCIe CPU card with LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor supported
2. One 1333/1066 MHz DDR3/DDR3L (1.35V) SDRAM SO-DIMM supports up to 8GB
3. On-board embedded controller supports infrared and PECI 2.0 technologies
4. One SATA 6Gb/s and dual Realtek PCIe GbE
5. TPM V1.2 hardware security provided by the TPM module
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x PIC0e-B650 single board computer	
1 x Dual RS-232 cable w/bracket (P/N: 19800-000112-RS)	
1 x USB cable (P/N: 19800-003000-200-RS)	1 x Mini jumper pack
2 x SATA cable (P/N: 32801-000703-200-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
PIC0e-B650-R10	Half-size PCIe CPU card supports 32nm LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU with Intel® B65, DDR3, VGA, dual Realtek PCIe GbE, USB 2.0, SATA 6Gb/s, HD Audio and RoHS
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 220mm
SAIDE-KIT01-R10	SATA to IDE/CF converter board
32102-000100-200-RS	SATA power 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
CPU-I5-2500T	Intel® Core™ i5-2500T processor, LGA-1155, quad core 2.3GHz, 6M cache, 45W, compatible with CF-1156C-RS CPU cooler
CPU-I5-2390T	Intel® Core™ i5-2390T processor, LGA-1155, dual core 2.7GHz, 3M cache, 35W, AMT, compatible with CF-1156C-RS CPU cooler
CPU-I3-2100T	Intel® Core™ i3-2100T processor, LGA-1155, dual core 2.5GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-P-G620T	Intel® Pentium® G620T processor, LGA-1155, dual core 2.2GHz, 3M cache, 35W, compatible with CF-1156C-RS CPU cooler
CPU-C-G440	Intel® Celeron® G440 processor, LGA-1155, single core 1.6GHz, 1M cache, 35W, compatible with CF-1156C-RS CPU cooler
CF-1156A-RS	High-performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156B-RS	High-performance LGA1155/LGA1156 cooler kit, 95W
CF-1156C-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W