

P55-CD53

CPU

- Supports Intel® i5 / i7 based processors in LGA1156 package.

Please refer to CPU Support for compatible CPU; the above description is for reference only.

Chipset

- Intel® P55 Chipset
 - Supports QPI up to 6.4GT/s
 - Hi-Speed USB (USB2.0) controller, 480Mb/sec.
 - 6 SATAII ports with transfer rate up to 3Gb/s.
 - PCI Master v2.3, I/O APIC.
 - ACPI 2.0 compliant.
 - Serial ATA RAID 0/1/5/10.
 - Integrated AHCI controller.

Main Memory

- Supports four unbuffered DIMM of 1.5 Volt DDR3 1066/1333/1600*/1800*/2000*/2133* (OC) SDRAM, 16GB Max
 - Supports 1Gb/ 2Gb/ 4Gb DRAM size
 - Supports Dual channel mode

Slots

- 1 PCI Express gen2 x16 slots
- 3 PCI Express gen2 x1 slots
- 3 PCI slots, support 3.3V/ 5V PCI bus Interface

On-Board IDE/SATA

- One Ultra DMA 66/100/133 IDE controller integrated in JMicron® 363.
 - Supports PIO, Bus Master operation modes.
 - Can connect up to two Ultra ATA drives.

- SATAII controller integrated in Intel P55/JMicron® 363 chipset
- Up to 3Gb/s transfer speed.
- Supports six SATAII ports by P55
- Supports two SATAII ports by JMicron 363, support SATA RAID 0/1/ JBOD.
- Supports AHCI controller with AHCI / SATA RAID 0/1/5/10 by P55.

Audio

- Chipset integrated by Realtek® ALC889
- Flexible 8-channel audio with jack sensing
- Compliant with Azalia 1.0 Spec
- Meet Microsoft Vista Premium spec

LAN

- Supports PCI Express LAN 10/100/1000 Fast Ethernet by Realtek 8111DL.

IEEE1394 / FireWire

- VIA® VT6315N chipset
- Supports up to two 1394 ports. (Rear panel x1, pinheader x1)
- Transfer rate is up to 400Mbps.

Internal I/O Connectors

- ATX 24-Pin power connector
- 4-pin ATX 12V power connector
- CPU / System x 4 FAN connectors
- CD-in connector
- Front panel audio connector
- Front panel connector
- 1 x chassis intrusion connector
- 2 x USB 2.0 connectors
- 8 x Serial ATAII connectors

- 1 x ATA133 connector
- 1 x Parallel port connector
- 1 x Serial port connector
- 1 x IEEE1394 connector support additional 1 port
- 1 x Power Button
- 1 x Clear CMOS jumper
- 1 x SPDIF-out connector
- 1 x TPM module connector
- 1 x OC Genie Button
- 2 x Base Clock Control Buttons

Back Panel I/O Ports

- 1 x PS/2 Keyboard
- 1 x PS/2 Mouse
- 1 x IEEE1394 port
- 10 x USB 2.0 ports
- 1 x RJ45 LAN Jacks
- 1 x 6 in 1 audio jack