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P5B-Plus Vista Edition

CPU

Intel Socket 775 Core™2 Quad/Core™2 Extreme/Core™2 Duo/Pentium® Extreme/Pentium® D/Pentium® 4/Celeron Processors

Compatible with Intel® 05B/05A/06 processors

Support Intel® next generation 45nm CPU

Intel® Hyper-Threading Technology ready

* Refer to www.asus.com for Intel CPU support list

** Please update the latest BIOS to support Intel 45nm CPU

Chipset

Intel P965

ICH8R

Intel Fast Memory Access Technology

Front Side Bus

1066/800/533 MHz

Memory

4 x DIMM, Max. 8 GB, DDR2 800/667/533 Non-ECC, Un-buffered Memory

Dual Channel memory architecture

Storage

Southbridge

6 xSATA 3 Gb/s ports Intel Matrix Storage Technology Support RAID 0,1,5,10

JMicron® JMB363 PATA and SATA controller

1 xUltraDMA 133/100/66 for up to 2 PATA devices

1 xInternal SATA 3.0 Gb/s port

1 xExternal SATA 3.0 Gb/s port (SATA On-the-Go)

Support RAID 0,1,JBOD

(by 1x External SATA & 1x Internal SATA)

LAN

PCI-E Gigabit LAN controller

Audio

ADI® AD1988 8 -Channel High Definition Audio CODEC
Coaxial / Optical S/PDIF out ports

IEEE 1394

VIA® VT6307 1394a controller supports 2 x 1394a ports (one at midboard; one at back panel)

USB

8 USB 2.0 ports (4 ports at mid-board, 4 ports at back panel)

ASUS Unique Features

ASUS AI Lifestyle Vista Edition Features:

- AI Remote
 - AP Trigger
 - ASAP
 - TPM Support (The TPM module is purchased separately)
- * AI Remote and TPM can support both Windows Vista and Windows XP.

ASUS Quiet Thermal Solution:

- ASUS AI Gear - ASUS AI Nap
- ASUS Q-Fan 2

ASUS Crystal Sound:

- ASUS Noise Filter

ASUS EZ DIY:

- ASUS Q-Connector
 - ASUS O.C. Profile
 - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2
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Other Features

ASUS MyLogo 2

Overclocking Features

Intelligent overclocking tools

- AI Overclocking (intelligent CPU frequency tuner)
- ASUS AI Booster Utility
- ASUS AI NOS (Non-delay Overclocking System)

Precision Tweaker

- vDIMM: 14 -step DRAM voltage control
- vCore: Adjustable CPU voltage at 0.0125V increment
- vChipset 4-step voltage control

SFS (Stepless Frequency Selection)

- FSB tuning from 100MHz up to 650MHz at 1MHz increment
- Memory tuning from 533MHz up to 1066MHz
- PCI Express frequency tuning from 90MHz up to 150MHz at 1MHz increment

Overclocking Protection

- ASUS C.P.R.(CPU Parameter Recall)

Back Panel I/O Ports

- 1 x Parallel
- 1 x PS/2 Keyboard
- 1 x PS/2 Mouse
- 1 x External SATA
- 1 x S/PDIF Out
- 1 x IEEE 1394a
- 1 x LAN(RJ45) port
- 4 x USB 2.0/1.1
- 8 -Channel Audio I/O

Internal I/O Connectors

- 2 x USB connectors support additional 4 USB ports
- 1 x Floppy disk drive connector
- 1 x IDE connector
- 1 x TPM connector
- 7 x SATA connectors
- 1 x IEEE 1394a connector
- 1 x CPU Fan connector
- 2 x Chassis Fan connector
- 1 x Power Fan connector
- 1 x S/PDIF Out connector
- 1 x4-pin ATX 12V Power connector
- 24 -pin ATX Power connector
- Front panel audio connector
- COM connector
- Chassis Intrusion connector
- CD/AUX audio in
- System Panel Connector

BIOS

- 8 Mb Flash ROM

DMI 2.0
AMI BIOS
PnP
WfM 2.0
SM BIOS 2.3
ACPI 2.0a
ASUS EZ Flash 2
ASUS CrashFree BIOS 3

Accessories

User's manual
USB2.0 module
1 x UltraDMA 133/100/66 cable
1 x Floppy disk drive cable
1 x SATA cable
1 SATA power cable
I/O Shield
3 in 1 Q-connector (Retail version only)

Support Disc

Drivers
ASUS PC Probe II
ASUS AI Suite
Anti-virus software (OEM version)
ASUS Update

Form Factor

ATX Form Factor
12 inch x 9 inch (30.5 cm x 22.86 cm)

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