

ASUS P5W DH DELUXE

When you step into the PC market, the term 'enthusiast' is often thrown around for high performance, fully featured products that are marketed towards the gaming or overclocking and modding community. However, the rise in the PCs role as digital entertainment hubs today have prompted many manufacturers to heavily focus on delivering features that suit the living room convergence model and to deliver advanced features to people who aren't exactly a technical guru.

Enter the P5W DH Deluxe, [ASUS](#)'s new flagship motherboard that brings high-end computing to the digital home and home office environments in a bigger way, which should tweak the knobs of home entertainment buffs. However, the board can still carry off the 'built for gamers' tag line with its use of the Intel 975X Express chipset and support for ATI CrossFire and the much-hyped Core 2 processors. In this review, we take the P5W DH Deluxe out for a spin to see if high-end digital home can deliver.




The ASUS P5W DH Deluxe motherboard.

The full packaging and technical specifications are listed below:

- 4 x SATA data cables
- 3 x SATA power converter cables (dual plugs)

- 1 x 80-conductor Ultra ATA data cable
- 1 x 40-conductor IDE data cable
- 1 x floppy drive data cable
- IEEE 1394a port bracket
- USB 2.0 (2 ports) bracket
- DH Remote and receiver
- WiFi-AP Solo antenna
- MP3-In module
- ASUS Q-Connector set
- COM port bracket
- I/O shield
- Driver CD
- InterVideo MediaOne Gallery suite
- User's manual

ASUS P5W Dh Deluxe Technical Specifications

CPU Support	<ul style="list-style-type: none"> • Supports 90nm/65nm LGA775 processor package • Supports Intel Core 2 Duo  / Core 2 Extreme • Supports Intel Pentium D / Pentium Processor Extreme Edition • Supports Intel Pentium 4 / Pentium 4 Extreme Edition • Intel Virtualization Technology ready
Chipset	<ul style="list-style-type: none"> • Northbridge: Intel 975X Express <ul style="list-style-type: none"> ○ 533 / 800 / 1066MHz front side bus ○ PCI Express x16 graphics ○ CrossFire support (dual PCIe x8 mode) • Southbridge: Intel ICH7R <ul style="list-style-type: none"> ○ Intel High Definition Audio ○ Supports six PCI Express x1 lanes ○ Supports up to eight USB 2.0 ports ○ Supports four SATA 3.0Gbps ports (with RAID 0, 1, 5 and 10 capabilities) ○ Single-channel Ultra ATA-100 IDE port
Memory	<ul style="list-style-type: none"> • Supports four unbuffered DIMM of 1.8 Volt DDR2 SDRAM • Supports 800/677/533/400 dual channel DDR2 memory architecture
Storage	<ul style="list-style-type: none"> • Intel ICH7R Southbridge <ul style="list-style-type: none"> ○ 1 x Ultra ATA 33/66/100 (data transfer rate up

	<p>to 100MB/sec.)</p> <ul style="list-style-type: none"> ○ 4 x SATA 3.0Gbps ports ○ Intel Matrix Storage Technology ○ Supports RAID 0, RAID 1, RAID 0+1, RAID 5 ● JMicron JMB363 SATA/IDE controller ○ 2 x SATA 3.0Gbps interface (1 x shared eSATA port) ○ 1 x Ultra ATA 33/66/100/133 (data transfer rate up to 133MB/sec.) ● Silicon Image SiI 4723 SteelVine SATA RAID processor ○ 2 x SATA 3.0Gbps interface ○ Supports RAID 0, RAID 1, JBOD and RAID 10
Audio	<ul style="list-style-type: none"> ● Intel High Definition Audio (Azalia) ● Realtek ALC882M HD Audio CODEC (Dolby Master Studio Certification) ● Optical and coaxial S/PDIF support
Networking	<ul style="list-style-type: none"> ● 2 x Marvell 88E8053 PCI Express Gigabit Ethernet controller ● Realtek RTL8187L 54Mbps IEEE 802.11a/b/g WLAN controller (WiFi-AP Solo)
IEEE 1394 (FireWire)	<ul style="list-style-type: none"> ● Texas Instruments TSB43AB22A IEEE 1394a host controller ● 2 x 1394a ports @ 400 Mbps speed
I/O Interface	<ul style="list-style-type: none"> ● 1 x Floppy connector ● 2 x Ultra ATA IDE connectors ● 7 x SATA connectors (1 x shared eSATA port) ● 8 x USB 2.0 ports (4 x rear, 2 x bracket, 2 x header) ● 2 x IEEE 1394a ports (1 x rear, 1 x bracket) ● 2 x RJ45 LAN port ● 1 x WLAN antenna ● 1 x Optical S/PDIF Output ● 1 x Coaxial S/PDIF Output ● 8-Channel Audio I/O ports ● 1 x CD-IN ● 1 x 9-pin serial port (bracket) ● 1 x mini-DIN-6 PS/2 mouse port ● 1 x mini-DIN-6 PS/2 keyboard port
Expansion Slots	<ul style="list-style-type: none"> ● 2 x PCIe x16 slots, PCI Express Bus specification v1.0a compliant ● 2 x PCIe x1 slot, PCI Express Bus specification v1.0a compliant ● 3 x 32-bit PCI slots, PCI 2.3 compliant
Special Features	<ul style="list-style-type: none"> ● ASUS EZ-Backup

	<ul style="list-style-type: none"> • ASUS MP3-In • ASUS DH Remote • Stack Cool 2
PCB	<ul style="list-style-type: none"> • ATX Form Factor, 12"x 9.6"(30.5cm x 24.4cm)



Top down, left to right - PS/2, COM port, coaxial and optical S/PDIF, FireWire-400, eSATA, Gigabit LAN RJ45, USB 2.0, 8-channel analog audio and WiFi antenna connector.