

**NEW****Available Models:**

P5AD2 Premium, P5AD2 Deluxe

Intel Chipset

**P5AD2 Series**

Enhance your system without lifting a finger



CPU	Chipset	PCI-E X 1	PCI-E X 16
<b>P4LGA775</b>	<b>925X</b>	<b>2</b>	<b>1</b>
LAN	WLAN	1394a/b	DDR2
<b>Gb X 2</b>	<b>1</b>	<b>3</b>	<b>600 (Dual channel)</b>

**Benefits and Advantages****Intel 925X chipset**

The Intel 925X chipset supports the latest PC technologies such as LGA775 Pentium 4 CPU, dual-channel DDR2 memory architecture, and PCI Express x16 graphics card interface. The ICH6R Southbridge further provides integrated 4-port SATA RAID controller, PCI Express x1 interfaces and 8 high-speed USB 2.0 ports.

**Intel PAT**

The Intel Performance Acceleration Technology (Intel PAT) delivers additional system-level performance by optimizing memory access between CPU and system memory, and allows increased performance while running external interfaces at standard operating specifications.

**DDR2 600 Native Support**

Although Intel's 925X chipsets claimed to only support DDR2 400/533, ASUS engineers successfully unleashed their true potential. P5AD2 series offers native DDR2 600, eliminating the bottleneck when overclocking both the CPU and memory.

**ASUS Hyper Path2**

The innovative Hyper Path2 significantly shortens the latency time between the CPU and memory on 925X chipsets and improves memory performance without sacrificing stability. Enabling both Hyper Path2 and Intel PAT (Performance Acceleration Technology) on ASUS P5AD2 series, delivers powerful computing never seen before.

**PCI Express Architecture**

PCI Express is the latest I/O interconnect technology that will replace the existing PCI interface. With a bus bandwidth 4 times higher than that of AGP 8X interface, PCI Express x16 bus performs much better than AGP 8X in applications such as 3D gaming. PCI Express x1 also outperforms PCI interface with its exceptional high bandwidth up to 500MB/s.

**WiFi-g™ onboard(optional)**

Wireless setup made affordable and easy! WiFi-g™ serves as the access point of your network or if you already have an access point, it is also a wireless adapter for PCs to access existing WLAN. Easy click wizard makes building a wireless network a breeze.

**Stack Cool™**

The patented Stack Cool™ technology utilizes a mini PCB stacked against the main PCB to conduct heat away from power components, resulting in a 10° Celsius reduction. Cooler overclocking, quieter fan operation, greater stability build a comfortable environment for you to enjoy your digital life.

**AI NOS™**

Inject "nitrous oxide" into your CPU! The patented AI NOS™ (Non-delay Overclocking System) technology intelligently detects system load and automatically boosts performance for the most demanding tasks. Unlike other dynamic overclocking techniques, AI NOS™ reacts much faster to satisfy your unending need for speeds.

**AI NET2**

Network problems are often caused by bad cable connection. AI Net 2 remotely detects cable connection the moment you turn on the system, and any faulty connections are reported back up to 100 meters at 1 meter accuracy.

**Specifications**

		Premium	Deluxe
<b>CPU</b>	<ul style="list-style-type: none"> <li>LGA775 socket for Intel® Pentium 4/Celeron CPU</li> <li>Compatible with Intel® 04B and 04A processors</li> <li>Intel® Hyper-Threading Technology ready</li> <li>Intel® 925X               <ul style="list-style-type: none"> <li>Intel® ICH6R</li> </ul> </li> <li>800 / 533 MHz</li> </ul>	■	■
<b>Chipset</b>	Intel® 925X	■	■
<b>Front Side Bus</b>	800 / 533 MHz	■	■
<b>Memory</b>	<ul style="list-style-type: none"> <li>Dual channel memory architecture</li> <li>4 x 240-pin DIMM sockets support max. 4GB DDR2 533/400 non-ECC memory</li> <li>Intel® Performance Acceleration Technology (Intel® PAT)</li> </ul>	■	■
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 x PCI Express X16 slot for discrete graphics card</li> <li>2 x PCI Express X1</li> <li>3 x PCI</li> </ul>	x1 x2 x3	x1 x2 x3
<b>Storage/ RAID</b>	<ul style="list-style-type: none"> <li>Intel® ICH6R South Bridge:               <ul style="list-style-type: none"> <li>1 x UltraDMA 100/66/33</li> <li>4 x Serial ATA, Intel® Matrix Storage Technology with RAID 0, 1 support</li> </ul> </li> <li>Silicon Image® 3114R RAID controller:               <ul style="list-style-type: none"> <li>4 x Serial ATA with JBOD, RAID 0, 1, 10, 5 (RAID 5 patch will not get WHQL logo'd)</li> </ul> </li> <li>ITE® 8212F IDE RAID controller:               <ul style="list-style-type: none"> <li>2 x UltraDMA 133/100/66 with JBOD, RAID 0, 1, 0+1</li> </ul> </li> </ul>	■	■
<b>LAN</b>	<ul style="list-style-type: none"> <li>Dual Gigabit LAN controllers</li> <li>2 x Marvell® 88E8053 Gigabit LAN Controller, features AI NET2</li> </ul>	■	x1
<b>Wireless LAN: WiFi-g™ (Optional)</b>	<ul style="list-style-type: none"> <li>54 Mbps IEEE 802.11g and backwards compatible with 11 Mbps 802.11b</li> <li>*Access Point function (under WinXP, 2003)</li> <li>*Bundle an external antenna</li> <li>*One-touch wizard</li> <li>*Wireless bridge, a.k.a. WDS or wireless repeater (under WinXP, 2003)</li> </ul>	■	■
<b>Audio</b>	<ul style="list-style-type: none"> <li>High Definition Audio 8-channel CODEC</li> <li>Coaxial, Optical S/PDIF out on back I/O port</li> <li>Features Dolby® Digital Live technology</li> </ul>	■	■
<b>IEEE 1394b/a</b>	<ul style="list-style-type: none"> <li>Ti 1394b controller supports               <ul style="list-style-type: none"> <li>2 x 1394b ports @ 800 Mbps speed</li> <li>1 x 1394a ports @ 400 Mbps speed</li> </ul> </li> </ul>	■	1394a
<b>USB</b>	<ul style="list-style-type: none"> <li>Max. 8 USB2.0 ports</li> </ul>	■	■
<b>ASUS AI Proactive Features</b>	<ul style="list-style-type: none"> <li>AI NOS™ (Non-delay Overclocking System)</li> <li>AI NET2 network diagnosis before entering OS</li> <li>WiFi-g™ powered by WiFi@HOME™ technology</li> <li>Stack Cool™ patented fanless cooling system</li> </ul>	■	■
<b>Overclocking Features</b>	<ul style="list-style-type: none"> <li>AI NOS™ (Non-delay Overclocking System)</li> <li>AI Overclocking (Intelligent CPU frequency tuner)</li> <li>CPU, Memory, and PCI-E x16 voltage adjustable</li> <li>SFS (Stepless Frequency Selection) from 100MHz up to 400MHz at 1MHz increment</li> <li>Adjustable FSB/DDR 2 ratio. Fixed PCI/PCI-E frequencies.</li> <li>ASUS AI Booster utility</li> <li>ASUS C.P.R. (CPU Parameter Recall)</li> </ul>	■	■
<b>Other ASUS Special Features</b>	<ul style="list-style-type: none"> <li>CrashFree BIOS 2               <ul style="list-style-type: none"> <li>Q-Fan2</li> <li>Post Reporter</li> </ul> </li> <li>Multi-language BIOS               <ul style="list-style-type: none"> <li>MyLogo2</li> </ul> </li> <li>8 Mb Flash ROM, AMI BIOS, PrtP, DMi2.0, WIM2.0, SM BIOS 2.3</li> </ul>	■	■
<b>Back Panel I/O Ports</b>	<ul style="list-style-type: none"> <li>1 x PS/2 Keyboard</li> <li>1 x PS/2 Mouse</li> <li>1 x Parallel</li> <li>1 x IEEE1394a</li> <li>1 x WLAN antenna jack (optional)</li> <li>4 x USB 2.0/1.1</li> <li>1 x Optical + 1 x Coaxial S/PDIF Output</li> <li>1 x RJ45</li> <li>8-Channel Audio I/O</li> </ul>	■	■
<b>Internal I/O Connectors</b>	<ul style="list-style-type: none"> <li>2 x USB 2.0 connectors supports additional 4 USB 2.0 ports</li> <li>1 x LAN connector</li> <li>24-pin ATX Power connector</li> <li>2 x IEEE 1394 connectors</li> <li>1 x COM connector</li> <li>1 x GAME/MIDI connector</li> <li>CPU / 2 x Chassis / Power Fan connectors</li> <li>Front panel High Definition Audio connector</li> <li>CD audio-in connector</li> <li>Chassis Intrusion connector</li> <li>4-pin ATX 12V Power connector</li> </ul>	■	x1
<b>Support CD</b>	<ul style="list-style-type: none"> <li>Drivers</li> <li>ASUS AI Booster</li> <li>ASUS PC Probe</li> <li>ASUS LiveUpdate Utility</li> <li>Anti-virus software (OEM version)</li> </ul>	■	■
<b>Accessories</b>	<ul style="list-style-type: none"> <li>InterVideo® WinDVD Suite (OEM version)</li> <li>1 x Wireless LAN antenna (optional)</li> <li>1 x 2-port IEEE1394b / 1-port RJ45 module</li> <li>10 x Serial ATA cables</li> <li>1 x SATA Extension module for external devices</li> <li>4 x 2-port SATA power cable</li> <li>1 x 2-port USB2.0 / Game module</li> <li>1 x I/O Shield</li> <li>1 x COM Port module</li> <li>2 x UltraDMA 133/100/66 cable</li> <li>User's manual</li> <li>1 x IDE cable</li> <li>1 x FDD cable</li> </ul>	■	x3
<b>Form Factor</b>	ATX Form Factor, 12"x 9.6"(30.5cm x 24.5cm)	■	■

Note: The specifications are subject to changes without notice.

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