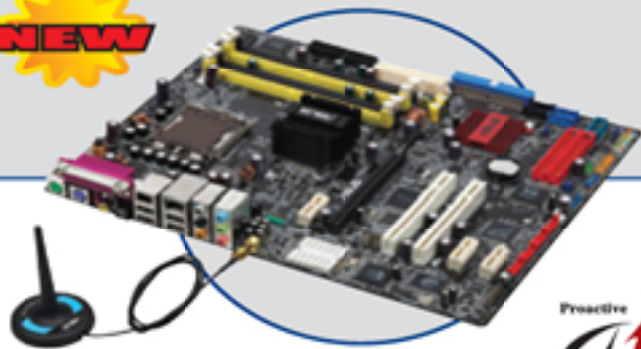


NEW



Intel Chipset

P5GD2 Series

Choice for Home Networking and Hard-Core Gamers



Available Models:

P5GD2 Premium, P5GD2 Deluxe, P5GD2



Benefits and Advantages

Intel 915P chipset

The Intel 915P 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.



Dual-Channel DDR2 533

DDR2 is the next generation memory technology to replace the current DDR. With initial speeds from 400 and 533MHz, DDR2 memory provides bandwidth up to 4.3GB/s. Doubled by the dual-channel architecture, the widest memory bus bandwidth 8.6GB/s can be achieved.



DDR2 600 Native Support

Although Intel's 915P chipsets claimed to only support DDR2 400/533, ASUS engineers successfully unleashed their true potential. P5GD2 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 915P chipsets and improves memory performance without sacrificing stability.



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.



Serial ATA & IDE RAID

The onboard Silicon Image Si3114R and ITE 8212F RAID controllers plus the Intel ICH6R southbridge provide the best solution to your RAID requirements on different storage standards.



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	Standard
CPU	<ul style="list-style-type: none"> LGA775 socket for Intel® Pentium 4/Celeron CPU Compatible with Intel® 04B and 04A processors Intel® Hyper-Threading Technology ready Intel® 915X Intel® ICH6R 	•••	•••	•••
Chipset	Intel® 915P	•••	•••	•••
Front Side Bus	800 / 533 MHz	•••	•••	•••
Memory	<ul style="list-style-type: none"> Dual channel memory architecture 4 x 240-pin DIMM sockets support max. 4GB DDR2 533/400 non-ECC memory 	•••	•••	•••
Expansion Slots	<ul style="list-style-type: none"> 1 x PCI Express X16 slot for discrete graphics card 2 x PCI Express X1 3 x PCI 	x1 x3 x3 x3	x1 x3 x3 x3	x1 x3 x3 x3
Storage / RAID	<ul style="list-style-type: none"> Intel® ICH6R South Bridge: <ul style="list-style-type: none"> *1 x UltraDMA 100/66/33 *4 x Serial ATA, Intel® Matrix Storage Technology with RAID 0, 1 support Silicon Image® 3114R RAID controller: <ul style="list-style-type: none"> *4 x Serial ATA with JBOD, RAID 0, 1, 10, 5 (RAID 5 patch will not get WHQL logo'd) ITE® 8212F IDE RAID controller: <ul style="list-style-type: none"> *2 x UltraDMA 133/100/66 with RAID 0, 1, 0+1 	•••	•••	•••
LAN	<ul style="list-style-type: none"> Dual Gigabit LAN controllers 2 x Marvell® Gigabit LAN Controller, features AI NET 2 	•••	x1	x1
Wireless LAN: WiFi-g™ (Optional)	<ul style="list-style-type: none"> 54 Mbps IEEE 802.11g and backwards compatible with 11 Mbps 802.11b *Access Point function (under WinXP, 2003) *Bundle an external antenna *One-touch wizard *Wireless bridge, a.k.a. WDS or wireless repeater (under WinXP, 2003) 	•••	•••	•••
Audio	<ul style="list-style-type: none"> High Definition Audio 8-channel CODEC Coaxial, Optical S/PDIF out on back I/O port Features Dolby® Digital Live technology 	•••	•••	•••
IEEE 1394b/a	<ul style="list-style-type: none"> TI 1394b controller supports: <ul style="list-style-type: none"> *2 x 1394b ports @ 800 Mbps speed *1 x 1394a ports @ 400 Mbps speed 	•••	1394a	•••
USB	<ul style="list-style-type: none"> Max. 8 USB 2.0 ports 	•••	•••	•••
ASUS AI Proactive Features	<ul style="list-style-type: none"> AI NOS™ (Non-delay Overclocking System) AI NET2 network diagnosis before entering OS WiFi-g™ powered by WiFi@HOME™ technology Stack Cool™ patented fanless cooling system 	•••	•••	•••
Overclocking Features	<ul style="list-style-type: none"> AI N.O.S™ (Non-delay Overclocking System) AI Overclocking (intelligent CPU frequency tuner) CPU, Memory, and PCI-E x16 voltage adjustable SFS (Stepless Frequency Selection) from 100MHz up to 400MHz at 1MHz increment ASUS AI Booster utility Adjustable FSB/DDR 2 ratio, Fixed PCI/PCI-E frequencies, ASUS C.P.R. (CPU Parameter Recall) 	•••	•••	•••
Other ASUS Special Features	<ul style="list-style-type: none"> CrashFree BIOS 2 Multi-language BIOS Q-Fan2 MyLogo2 Post Reporter 	•••	•••	My logo
BIOS	<ul style="list-style-type: none"> 8 Mb Flash ROM, AMI BIOS, PnP, DMi2.0, WRM2.0, 5M BIOS 2.3 	•••	•••	4Mb
Back Panel I/O Ports	<ul style="list-style-type: none"> 1 x PS/2 Keyboard 1 x PS/2 Mouse 1 x Parallel 1 x WLAN antenna jack (optional) 1 x IEEE1394a 1 x Optical + 1 x Coaxial S/PDIF Output 8-Channel Audio I/O 4 x USB 2.0/1.1 1 x RJ45 	•••	•••	•••
Internal I/O Connectors	<ul style="list-style-type: none"> 2 x USB 2.0 connectors supports additional 4 USB 2.0 ports 2 x IEEE1394 connectors 1 x COM connector 1 x GAME/MIDI connector CPU / 2 x Chassis / Power Fan connectors Front panel High Definition Audio connector CD audio-in connector Chassis Intrusion connector 1 x LAN connector 24-pin ATX Power connector 4-pin ATX 12V Power connector 	•••	x1	•••
Support CD	<ul style="list-style-type: none"> Drivers ASUS AI Booster ASUS PC Probe ASUS LiveUpdate Utility Anti-virus software (OEM version) 	•••	•••	•••
Accessories	<ul style="list-style-type: none"> InterVideo® WinDVD Suite (OEM version) 1 x Wireless LAN antenna (optional) 1 x 2-port IEEE1394b / 1-port RJ45 module 10 x Serial ATA cables 1 x SATA Extension module for external devices 4 x 2-port SATA power cable 1 x 2-port USB2.0 / Game module 1 x IDE cable 1 x COM Port module 1 x I/O Shield User's manual 1 x FDD cable 2 x UltraDMA 133/100/66 cable 	•••	x6 x3	x4 x2
Form Factor	ATX Form Factor, 12"x 9.6"(30.5cm x 24.5cm)	•••	•••	x1

PDA
Notebooks
Motherboards
Multimedia
Optical Drives
Systems
Servers
Wireless
Networking
Broadband

Call LEM Computers Toll Free 1-877-536-4968 to place your order