

CPU	Intel Socket 775 Core™2 Quad/Core™2 Extreme/Core™2 Duo/Pentium® Extreme/Pentium® D/Pentium® 4 Processors Compatible with Intel® 05B/05A/06 processors Support Intel® next generation 45nm CPU
Chipset	Intel X48 Intel ICH9R Intel Fast Memory Access Technology
Front Side Bus	1600/1333/1066/800 MHz
Memory	4 x DIMM, Max. 8 GB, DDR3 2000*/1800*/1600/1333/1066/800 Non-ECC, Un-buffered Memory Dual Channel memory architecture Supports Intel® Extreme Memory Profile (XMP) * Overclocking speed ** For the X.M.P. support, CPUs with FSB 1333 or above are recommended. *** Refer to www.asus.com or this user manual for the Memory QVL (Qualified Vendors List).
Expansion Slots	3 x PCIe x16 (blue @PCIe2.0 x16 mode, black @PCIe x4 or x1 mode) supports CrossFire Technology 1 x PCIe x1 2 x PCI
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 2 xExternal SATA 3.0 Gb/s port (SATA On-the-Go) Support RAID 0,1,JBOD
LAN	Dual Gigabit LAN controllersMarvell 88E8056® PCIe Gigabit LAN controller featuring AI NET2 Realtek RTL8110SC® PCI Gigabit LAN controller featuring AI NET2
Wireless LAN	ASUS WiFi-AP @n - 300Mbps* IEEE 802.11n (Draft) and backwards compatible with IEEE 802.11g / b - Software Access Point mode *300Mbps is IEEE 802.11n draft specification. Actual throughput will vary depending on the wireless environment and other parameters
Audio	ADI® AD1988B 8 -Channel High Definition Audio CODEC Coaxial / Optical S/PDIF out ports at back I/O Support Jack-Sensing, Enumeration, Multi-streaming AI Audio 2
IEEE 1394	Agere® L-FW3227 1394a controller supports 2 x 1394a ports (one at midboard; one at back panel)

USB	10 USB 2.0 ports (4 ports at mid-board, 6ports at back panel)
ASUS AI Lifestyle Features	<p>ASUS Power Saving Solution</p> <ul style="list-style-type: none"> - ASUS EPU (Energy Processing Unit) - ASUS 3rd Generation 8-phase Power - ASUS AI Nap <p>ASUS AI Lifestyle</p> <ul style="list-style-type: none"> - ASUS Express Gate - ASUS WiFi-AP @n - ASUS AI Direct Link <p>ASUS Quiet Thermal Solution</p> <ul style="list-style-type: none"> - ASUS Fanless Design: Pure Copper Heat-pipe solution - ASUS Fanless Design: Stack Cool 2 - ASUS Q-Fan 2 - ASUS Optional Fan for Water-cooling or Passive-Cooling only <p>ASUS Crystal Sound</p> <ul style="list-style-type: none"> - ASUS Noise Filter - ASUS AI Audio 2 <p>ASUS EZ DIY</p> <ul style="list-style-type: none"> - ASUS Q-Connector - ASUS Q-Shield - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS AI Slot Detector
Overclocking Features	<p>Intelligent overclocking tools</p> <ul style="list-style-type: none"> - ASUS AI Booster Utility <p>Precision Tweaker 2</p> <ul style="list-style-type: none"> - vDIMM: 65 -step DRAM voltage control - vCore: Adjustable CPU voltage at 0.00625V increment - vChipset (N.B.): 49-step voltage control - vFSB Termination: 16-step reference voltage control - vCPU PLL: 65-step CPU PLL voltage control <p>SFS (Stepless Frequency Selection)</p> <ul style="list-style-type: none"> - FSB tuning from 200MHz up to 800MHz at 1MHz increment - Memory tuning from 800MHz up to 3200MHz - PCI Express frequency tuning from 100MHz up to 150MHz at 1MHz increment <p>Overclocking Protection</p> <ul style="list-style-type: none"> - ASUS C.P.R.(CPU Parameter Recall)
Special Features	Multi-language BIOS ASUS MyLogo 3
Back Panel I/O Ports	1 x PS/2 Keyboard 2 x External SATA 1 x S/PDIF Out 1 x IEEE 1394a 2 x LAN(RJ45) port

	<p>6 x USB 2.0/1.1 8 -Channel Audio I/O 2 x WiFi-AP @n antenna jack</p>
Internal I/O Connectors	<p>2 x USB connectors support additional 4 USB ports 1 x Floppy disk drive connector 1 x IDE connector 6 x SATA connectors 1 x IEEE 1394a connector 1 x CPU Fan connector 1 x Chassis Fan connector 1 x Power Fan connector 1 x COM connector 1 x S/PDIF Out connector 2 x4-pin ATX 12V Power connector 24 -pin ATX Power connector Front panel audio connector Chassis Intrusion connector CD/AUX audio in System Panel Connector</p>
BIOS	<p>16 Mb Flash ROM DMI 2.0 AMI BIOS PnP WfM 2.0 SM BIOS 2.3 ACPI 2.0a Multi-language BIOS ASUS EZ Flash 2 ASUS CrashFree BIOS 3</p>
Manageability	<p>WfM 2.0, DMI 2.0, WOL by PME, WOR by PME, PXE</p>
Accessories	<p>UltraDMA 133/100/66 cable FDD cable 6 x Serial ATA cables 1 x 2-port Serial ATA power cable ASUS Q-Shield User's manual ASUS WiFi-AP @n manual 3 in 1 Q-connector 1 x 2-port USB2.0 / 1-port IEEE1394 module 2 x Optional Fan for Water-Cooling or Passive-Cooling only ASUS WiFi-AP @n omni-directional antenna</p>
Support Disc	<p>Drivers ASUS PC Probe II ASUS AI Suite Anti-virus software (OEM version) ASUS Update ASUS WiFi-AP @n Wizard</p>

	Image-Editing Suite
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x24.4 cm)