Crosshair IV Formula
Lured by Powerful Beauty

- AMD Phenom II X6
- AMD 890FX / SB850
- Dual DDR3 2000(O.C.)
- ROG Connect - Plug and Overclock, Tweak it the hardcore way!
- Turbo Unlocker - On Demand Real Time CPU Boost
- Core Unlocker - Intelligently Unlocks True Core Performance

Specifications

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CPU	AMD Socket AM3 ;Phenom™II /Athlon™II /Sempron™ 100 Series Processors AMD 140W CPU Support AMD Cool 'n' Quiet™ Technology Supports 45nm CPU
Chipset	AMD 890FX/SB850
System Bus	Up to 5200 MT/s ; HyperTransport™ 3.0
Memory	4 x DIMM, Max. 16 GB, DDR3 2000(O.C.)/1800(O.C.)/1600(O.C.)/1333/1066 ECC,Non-ECC,Un-buffered Memory Dual Channel memory architecture *Refer to www.asus.com or user manual for the Memory QVL (Qualified Vendors Lists) **Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.
Expansion Slots	3 x PCIe 2.0 x16 (dual @ x16, triple @x16 x8 x8) 1 x PCIe 2.0 x4 2 x PCI 2.2
Multi-GPU Support	Support ATI CrossFire™X Technology graphics cards
Storage	**SB850 Chipset** 6 xSATA 6.0 Gb/s ports Support RAID 0,1,5,10 **JMicron® JMB363 PATA and SATA controller** 1 xSATA 3Gb/s port (Black) 1 xExternal power SATA 3Gb/s port on rear (SATA On-the-Go) * Due to the Windows XP/ Vista limitation, the RAID array with the total capacity over 2TB cannot be set as a boot disk. A RAID array over 2TB can only be set as a data disk only.
LAN	Marvell 8059 Gigabit LAN controller
Audio	SupremeFX X-Fi built-in 8-Channel High Definition Audio CODEC - EAX® Advanced™ HD 4.0 - X-Fi CMSS®-3D - X-Fi Crystalizer™ - Creative ALchemy - Supports Blu-ray audio layer content protection - Supports 1 Optical S/PDIF out port at back I/O - Supports 1 x S/PDIF out header - Supports Jack-detection, Multi-streaming, Front Panel Jack-retasking
IEEE 1394	2 x 1394a port(s) (1 port at back I/O, 1 port onboard)
USB	NEC® USB 3.0 controller - 2 x USB 3.0/2.0 ports (at back I/O) AMD SB850 chipset - 12 x USB 2.0 ports (5 ports at mid-board, 7 ports at back I/O, 1 port at back I/O is also for ROG connect)
Overclocking Features	ROG Connect GameFirst

Special Features	Extreme Tweaker Power Design: - 8+2 phase CPU power design CPU Level Up MemOK! iROG Loadline Calibration Intelligent overclocking tools: - ASUS TurboV Evo - O.C Profile Overclocking Protection: - COP EX (Component Overheat Protection - EX) - Voltiminder LED - ASUS C.P.R.(CPU Parameter Recall) Turbo Unlocker Turbo Key II Core Unlocker ASUS Q-Connector ASUS Q-Shield ASUS Q-Fan 2 ASUS EZ Flash 2 ASUS CrashFree BIOS 3 ASUS MyLogo 3
Back Panel I/O Ports	1 x External SATA 1 x S/PDIF Out (Optical) 1 x IEEE 1394a 1 x LAN(RJ45) port 8 -Channel Audio I/O 1 x PS/2 Keyboard port(purple) 2 x USB 3.0/2.0 ports 7 x USB 2.0/1.1 ports (1 port is also for ROG Connect) 1 x ROG Connect On/Off switch 1 x Clr CMOS switch
Internal I/O Connectors	3 x USB 2.0 connectors supports additional 5 USB 2.0 ports 6 x SATA 6Gb/s connectors (Red) 1 x SATA 3Gb/s connectors (Black) 8 x Fan connectors: 1 x CPU / 1 x PWR / 3 x Chassis / 3 x Optional 7 x ProbeIt measurement points 3 x Thermal sensor connectors 1 x IEEE1394a connector 1 x SPDIF_out connector 1 x 24-pin ATX power connector 1 x 8-pin ATX 12V power connector 1 x En/Dis-able Clr CMOS switch 1 x Core unlocker switch 1 x Turbo key II switch 1 x Power on switch 1 x Reset switch 1 x OC Station Header 1 x Go Button System panel connector
BIOS	16 Mb Flash ROM AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.4, ACPI2.0a Multi-Language BIOS
Manageability	WOL by PME,WOR by PME,PXE
Accessories	User's manual 1 x I/O Shield 1 x ROG Connect Cable 1 x 2-in-1 ASUS Q-Connector Kit 1 x 2-in-1 SATA 6.0Gb/s Cables 2 x 2-in-1 SATA 3.0Gb/s Signal Cables 1 x 2-port USB2.0 + ESATA Module 1 x Crossfire Cable 1 x Cable Ties Pack 1 x ROG Theme Label 1 x 12-in-1 ROG Cable Label
Support Disc	Support DVD: - Drivers and applications * ASUS PC Probe II * ASUS Update * ASUS AI Suite * Sound Blaster X-Fi Utility * Kaspersky® Anti-Virus 1-year license
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x24.5 cm)