

Webpraxis Consulting Ltd.

Hexacore Specifications: Hardware & Mild Overclocking

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Hardware

Asus Crosshair IV Formula Motherboard

AMD Phenom™ II X6 1100T Black Edition 3.3GHz (1.475V & 62°C max)

4 x 4GB Corsair Vengeance DDR3 1600MHz (8-8-8-24, 1.5V)

Corsair Hydro Series H70 High-Performance CPU Cooler

Corsair Professional Series Gold AX 750W Power Supply

Corsair Graphite Series 600T Mid Tower Case

2 x OCZ Vertex 2 SATA II 2.5in Solid State Drive, 60GB

2 x Western Digital 1TB Caviar Black 7200rpm SATA III

Samsung SH-S223C DVD-Writer, SATA

HIS Radeon HD 5770 1GB GDDR5 PCI-E

Microsoft Windows 7 Professional x64 (64-bit)

SATA Port Assignments

Port 1: OCZ Vertex 2 SATA II
Port 2: OCZ Vertex 2 SATA II
Port 3: Western Digital, SATA III
Port 4: Western Digital, SATA III
Port 5: Samsung DVD-Writer SATA
Port 6: *Free*

RAID Configuration

Logical Drive 1: 2 OCZ SSDs in RAID 0 Mode, labelled as "OS"
Logical Drive 2: 2 WD HDs in RAID 1 Mode, labelled as "Data"

BIOS Settings

Extreme Tweaker

Target CPU Frequency: 3900MHz
Target DRAM Frequency: 1600MHz

Ai Overclock Tuner: Manual
CPU Ratio: 19.5
AMD Turbo CORE Technology: Disabled
CPU Bus Frequency: 200
DRAM Frequency: 1600MHz

DRAM Timing Configuration:

CAS# Latency: 8 CLK
RAS# to CAS# Delay: 8 CLK
RAS# PRE Time: 8 CLK
RAS# ACT Time: 24 CLK
Command Rate: 2T

CPU Load-Line Calibration: Full Calibration
CPU/NB Load-Line Calibration: Full Calibration
CPU & NB Voltage Mode: Manual
CPU Voltage: 1.425
DRAM Voltage: 1.5
CPU Spread Spectrum: Disabled
PCIE Spread Spectrum: Disabled

Main > Storage Configuration

OnChip SATA Speed: Auto
OnChip SATA Channel: Enabled
SATA Port1 – Port4: RAID
SATA Port5 – Port6: IDE

Power > Hardware Monitor > Fan Speed Control

CPU Q-Fan Function:	Enabled
Select Fan Type:	DC Fan
CPU Q-Fan Mode:	Manual
CPU Upper Temperature:	40°C
CPU Fan Upper Duty Cycle:	100%
CPU Fan Lower Duty Cycle:	50%

Boot > Boot Device Priority

1 st Boot Device:	CDROM
2 nd Boot Device:	Removable Dev.
3 rd Boot Device:	RAID:OS