



# OCIPUG Hardware SIG

March 13, 2007

# OCIPUG Hardware SIG

- Agenda – March 13, 2007
  - 7:30 – 7:35 Administration
  - 7:35 – 8:30 Hardware News
  - 8:30 – 9:55 Hardware Submission and Random Access (Q&A)
  - 9:55 – 10:00 Recap, Preview, and Close

# OCIPUG Hardware SIG

## ● Administration

- Welcome! Please Sign In.
- What the SIG is...and is not.
  - Is - a resource for computer users and potential computer users
  - Is NOT – a cheap way to get your computer built or repaired
- Logs – Random Access & Hardware Submission (First Come...)
- Hardware Submission & RELEASE

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- Administration (continued):
  - Presentation materials will be posted at:  
[http://www.edscustomcomputers.com/  
welcome\\_to\\_the\\_ocipug\\_hardware\\_s1.htm](http://www.edscustomcomputers.com/welcome_to_the_ocipug_hardware_s1.htm)
  - Prior presentation materials also posted.

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## ● Hardware News

### ● Processors

#### ● AMD released additional desktop models:

- “Athlon 64 X2 Dual-Core Processor 6000+” – 3.0GHz, 2 x 1MB L2 cache, 125W TDP (thermal design power), 90 nm processes technology, socket AM2, \$464 (1K) – highest end X2 to date
- “Athlon 64 Processor 3800+” – 2.4GHz, 512MB L2 cache, 45W TDP (thermal design power), 65 nm processes technology, socket AM2, \$93 (1K) [ADH3800DEBOX]
- “Athlon 64 Processor 3500+” – 2.2GHz, 512MB L2 cache, 45W TDP (thermal design power), 65 nm processes technology, socket AM2, \$88 (1K) [ADH3500DEBOX]

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- Hardware News (continued)

- Core Logic (Chipsets)

- AMD (ATI) released the “AMD 690 Series” of Northbridges for AMD-based desktops:

- 690G – integrated Radeon X1250 GPU (up to 1GB UMA, dual independent display, DX9), supports up to DDR2-800 memory, 1 x16 + 4 x1 PCIe, supports DVI/HDMI 1.2 with integrated HDCP, Vista Premium capable
- 690V – integrated Radeon X1200 GPU (up to 1GB UMA, DX9), supports up to DDR2-800 memory, 1 x16 + 4 x1 PCIe, Vista Premium capable
- Performance is generally superior to NVIDIA 61XX, inferior to Intel G/Q96X.

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- Hardware News (continued)
  - Core Logic (Chipsets)
    - AMD (ATI) released the “AMD 690 Series” of Northbridges for AMD-based desktops (continued):
      - Motherboards announced by or expected from all the majors.
        - ASUS “M2A-VM HDMI” – 690G w/ RGB (VGA), DVI, HDMI (w/ HDCP), and TV-out
        - ASUS “M2A-VM” – 690G w/ RGB (VGA) and DVI
    - AMD renamed two chipsets for the AMD platform:
      - The “CrossFire Xpress 3200” is now the “580X CrossFire”
      - The “CrossFire Xpress 1600” is now the “480X CrossFire”

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- Hardware News (continued)
  - System RAM – nothing new
  - Motherboards – nothing (**else**) new
  - Graphics processors & cards – nothing new

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- Hardware News (continued)
  - Hard Drives
    - Western Digital introduced the “World Edition” (**shared storage appliance**) family of My Book external drives:
      - “My Book World Edition II” drive – 1TB (2 x 500GB with support for RAID 0 or 1), (1) GbE and (1) USB ports; MSRP \$499
      - “My Book World Edition” drive – 500GB (1 x 500GB), (1) GbE and (1) USB ports; MSRP \$279
      - Supports independent operation (PC need NOT be powered on)
      - Add capacity through the USB connection
      - **Includes “WD Anywhere Access” software for Internet access.**
      - Supports remote backup of external systems.

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- Hardware News (continued)
  - Hard Drive Controllers
    - HighPoint released the RocketRAID 2314 eSATA controller – PCIe x4; supports up to 4 SATA II/300 drives (full speed); RAID 0, 1, 5, 0+1
    - LSI introduced the “MegaRAID SAS (serial attached SCSI) 8200 Series” of controllers – 8204ELP and 8208ELP support up to 4 or 8 SATA II/300 and/or SAS drives, respectively (can be mixed SATA II/300 and SAS); PCIe x4; RAID 0, 1, 5, 0+1; MSRP \$229 and \$315, respectively

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- Hardware News (continued)
  - Other Drives
    - LiteOn released the LH-20A1H 20x DVD writer – supports all DVD and CD formats, uses “SmartWrite” to optimize burning speed based on media capability, LightScribe and non-LightScribe versions; ATAPI interface.
    - Plextor introduced the PX-608CU SuperMulti portable DVD burner – 8X DVD-/R, weighs less than 9 ounces, USB bus powered (AC adapter included), MSRP \$189.
  - Sound processors & cards – nothing new

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- Hardware News (continued)
  - Modems & NICs – nothing new
  - Chassis & Power Supplies
    - Antec introduced the P190 ATX chassis/power supply combo – linked, dual power supplies (1 x 650W, 1 x 550W); multiple large fans (1 x 200mm side, 2 x 140mm top, 1 x 120mm rear); dual-layer, sound-deadening side panels; MSRP \$499 (really!)
    - Thermaltake released (when?) the “Toughpower 1200” power supply – 1200W, ATX12V EPS, 4 x 12V rails, modular cabling for drives and video cards (incl 3 x 6-pin and 3 x 8-pin PCIe), 140mm side fan, US availability?

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- Hardware Submission & Random Access (Q&A)
  - Hardware Submission – Log and Release
  - Random Access - Log

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- Recap, Preview, and Close

- Recap

- Preview

- Featured Topic for April 10, 2007: N/A

Segment discontinued until December, 2007 when it will return with "CPUs: 2007-08 Update"

- Close (please police up the area)