



OCIPUG Hardware SIG

May 8, 2007

OCIPUG Hardware SIG

- Agenda – May 8, 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

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● 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 – nothing new
- Core Logic (Chipsets) – nothing new
- System RAM
 - Micron announced it has begun sampling DDR2-1066, 1.8v modules. AMD, SiS, and VIA confirmed their 2H'07 chipsets will support this speed grade.

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- Hardware News (continued)
 - Motherboards
 - Gigabyte announced the GA-MA69G-S3H (ATX) and GA-MA69GM-S2H (microATX) – based on AMD's 690G chipset. HDMI interface included. No specs posted.

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- Hardware News (continued)
 - Graphics processors & cards
 - NVIDIA released mainstream GeForce 8 Series GPUs:
 - 8600 GTS – 675MHz core/1000MHz memory, 128-bit, 32 stream processors, target card MSRP: \$199-\$229
 - 8600 GT – 540MHz core/700MHz memory, 128-bit, 32 stream processors, target card MSRP: \$149-\$159
 - 8500 GT – 450MHz core/400MHz memory, 128-bit, 16 stream processors, target card MSRP: \$89-\$129
 - All (cards) are PCIe x16, 256MB, DirectX10, PureVideo HD (HD DVD/BD playback)
 - Cards introduced by ASUS (8600 GTS), Gigabyte (all, **passive**), Leadtek (all), MSI (all), PNY (8600 GTS/GT), and others.

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- Hardware News (continued)
 - Graphics processors & cards (continued)
 - NVIDIA also released the extreme gamer “GeForce 8800 Ultra” GPU – 612MHz core/1080MHz memory, 384-bit, 128 stream processors, 768MB, DirectX 10, 3-4X performance of the 8600 GTS, target card MSRP: \$829 or higher (available 5/15). Cards announced by ASUS, Leadtek, MSI, and others. Consensus vs 8800 GTX – nominal performance improvement; not worth the money.

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- Hardware News (continued)
 - Hard Drives
 - Seagate Recovery Services announced the availability of DIY file recovery software – for trial and sales (link), see <http://services.seagate.com/diysoftware.aspx>
 - Western Digital announced the “WD AV” series of drives for audio and video recording applications (STB/PVR/DVR/surveillance) – 80-500GB, SATA II/300 and ATA/100, 2 or 8MB cache, 7200 rpm, 972Mbps internal transfer rate, 1 million hours MTBF, 29 dBA (average seek, worst case), low power, all models are internal.

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- Hardware News (continued)
 - Hard Drive Controllers – nothing new
 - Other Drives
 - Pioneer announced the BDC-2202 Blu-Ray drive for PCs – reads BDs and reads and writes CDs and DVDs; MSRP \$299; no spec.
 - SMC introduced TigerStore (SMCNAS04/24) NAS server solutions – support 4 SATA drives (w/ RAID 0, 1, or 5), 4 GbE ports, 3 USB ports (for expansion and print serving); MSRP \$599 (no drives) or \$999 (w/ 4 x 250GB).
 - Sound processors & cards – nothing new

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- Hardware News (continued)
 - Modems & NICs – nothing new
 - Chassis & Power Supplies
 - Antec announced the P182 full tower chassis – 4 x ext 5.25", 1 x ext 3.5", 6 x int 3.5"; 3 x 120mm fans (top, top rear, and power supply compartment), locations for 2 additional 120mm fans, not TAC 1.1 (no duct or vent); HDDs and ODDs mount via rails; power supply on the bottom; front USB, IEEE-1394, and audio (HDA/AC'97) ports; MSRP (w/o power supply): \$169.

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- Hardware News (continued)
 - Chassis & Power Supplies (continued)
 - ASUS announced the TA-89 chassis – 4 x ext 5.25”, 1 x ext 3.5”, 5 x int 3.5”; 4 x 80mm fans (2 rear, 2 front), TAC 1.1 (duct and vent); HDD and ODD mounting unclear; front USB and audio (HDA?) ports; power supply not included; MSRP unknown.

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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 June 12, 2007: N/A

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

- Close (please police up the area)