



OCIPUG Hardware SIG

December 12, 2006

OCIPUG Hardware SIG

- Agenda – December 12, 2006
 - 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

OCIPUG Hardware SIG

- 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.

OCIPUG Hardware SIG

- Hardware News

- Processors

- AMD announced its “Quad FX Platform with Dual Socket Direct Connect (DSDC) Architecture” – dual, Socket F (1207FX), FX-70 series (dual-core) processors; four cores in total. Each processor has 1MB L2 cache/core.
 - FX-70 – 2.6GHz, MSRP \$599 (pricing for a pair, 1K).
 - FX-72 – 2.8GHz, MSRP \$799 (pricing for a pair, 1K).
 - FX-74 – 3.0GHz, MSRP \$999 (pricing for a pair, 1K).

OCIPUG Hardware SIG

- Hardware News (continued)
 - Processors (continued)
 - AMD released **65W TDP** “Energy Efficient” versions of the Athlon 64 X2 Dual-Core:
 - 4000+ (2.1GHz, 1MB L2, 65nm, AM2 only, \$169/1K)
 - 4400+ (2.3GHz, 1MB L2, 65nm, AM2 only, \$214/1K)
 - 4800+ (2.5GHz, 1MB L2, 65nm, AM2 only, \$271/1K)
 - 5000+ (2.6GHz, 1MB L2, 65nm, AM2 only, \$301/1K)
 - AMD release additional “standard voltage” (89W TDP) Athlon 64 X2 Dual-Core versions:
 - 5400+ (2.8GHz, 1MB L2, 90nm, AM2 only, \$485/1K)
 - 5600+ (2.8GHz, 2MB L2, 90nm, AM2 only, \$505/1K)

OCIPUG Hardware SIG

- Hardware News (continued)
 - Core Logic (Chipsets)
 - NVIDIA introduced the nForce 680a SLI MCP for AMD-based motherboards – **exclusive** support for AMD’s “Quad FX Platform” (**dual** Athlon 64 FX-70 series CPUs); 56 PCIe lanes supporting up to 8 display (2 x16 + 2 x8 cards), 4 GbE MACs, and 12 SATA II ports; up to 20 USB ports. Only one motherboard partner – ASUS (no spec).
 - SiS introduced the SiS671FX northbridge for Intel-based motherboards – C2D-capable to 1066MHz FSB, integrated Mirage 3 graphics (Vista Premium), to DDR2-667 (single channel); w/ SiS968 southbridge supports 2 SATA II, 7.1 audio, GbE MAC, and 8 USB ports.

OCIPUG Hardware SIG

- Hardware News (continued)
 - Core Logic (Chipsets) (continued)
 - SiS introduced the SiS771 northbridge for AMD-based motherboards – integrated Mirage 3 graphics (Vista Premium capable)
 - System RAM – nothing new
 - Motherboards
 - Gigabyte announced the movement of branded motherboard and graphics card design and production to a joint venture with ASUSTeK, “Gigabyte United”. Will retain the Gigabyte brand. Operations commence Jan 1.

OCIPUG Hardware SIG

- Hardware News (continued)
 - Graphics processors & cards
 - Leadtek announced the “WinFast PX7600 GS TDH HDMI” card - first (?) NVIDIA-based card with HDMI support, NVIDIA 7600 GS GPU, PCIe x16, 256MB RAM
 - S3 is now selling its Vista Premium-capable “Chrome S27 Low Profile” PCIe x16 card direct through its online store (s3gstore.s3graphics.com) – 256MB RAM, \$79.99
 - Hard Drives – nothing new

OCIPUG Hardware SIG

- Hardware News (continued)
 - Hard Drive Controllers
 - Adaptec announced SATA II/300 RAID cards:
 - 1220SA – 2 port, PCIe x1, RAID 0 and 1, SRP: \$75
 - 1430SA – 4 port, PCIe x4, RAID 0, 1, and 0+1, SRP: \$125
 - Other Drives
 - Samsung released five 18X SATA I/150 internal DVD burner models – 3 ATAPI and 2 SATA I/150 (SH-18xx)
 - Sound processors & cards – nothing new
 - Modems & NICs – nothing new

OCIPUG Hardware SIG

- Hardware News (continued)
 - Chassis & Power Supplies
 - Thermaltake announced its “Armor Extreme Edition” EATX chassis has been recommended for the AMD Quad FX Platform – full height server chassis, power supply location?

OCIPUG Hardware SIG

- Break

OCIPUG Hardware SIG

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

OCIPUG Hardware SIG

- Recap, Preview, and Close
 - Recap
 - Preview
 - Featured Topic for January 9, 2007: N/A
Segment discontinued until December, 2007 when it will return with “CPUs: 2007-08 Update”
 - Close (please police up the area)