



# Sapphire Graphics Roadmap

*July 2010*

**Redefining the Limits....**



# VGA ASIC Line Up

# AMD Desktop GPU Roadmap



•Q2 09      •Q3 09      •Q4 09      •Q1 10      •Q2 10      •Q3 10

Enthusiast

Performance

Mainstream

Value

**HD5970**  
(Hemlock – Dual GPU)  
40nm – 2 x 256 bit GDDR5  
DX11, Eyefinity  
CrossfireX, HDMI, HDCP,  
UVD, PCIe 2.0, DP

**HD5830/50 /70**  
(Cypress)  
40nm – 256 bit GDDR5  
DX11, Eyefinity  
CrossfireX, HDMI, HDCP,  
UVD, PCIe 2.0, DP

**HD5750 / HD5770**  
(Juniper)  
40nm – 128 bit GDDR5  
DX11, Eyefinity  
CrossfireX, HDMI, HDCP,  
UVD, PCIe 2.0, DP

**HD5670**  
(Redwood XT)  
40nm – 128 bit GDDR5  
DX11, Eyefinity  
CrossfireX, HDMI, HDCP,  
UVD, PCIe 2.0, DP

**HD5550 / HD5570**  
(Redwood Pro)  
40nm – 128 bit  
DDR2/DDR3  
DX11, Eyefinity  
CrossfireX, HDMI, HDCP,  
UVD, PCIe 2.0, DP

**HD5400**  
(Cedar Pro)  
40nm – 64 bit 512/1Gb  
DDR2/DDR3  
DX11, Eyefinity  
CrossfireX, HDMI, HDCP,  
UVD, PCIe 2.0, DP

**HD4650 / HD4670**  
(RV730)  
55nm DX10.1 Unified Shaders  
CrossfireX, HDMI, HDCP, UVD,  
PCIe 2.0, DP

**HD4350 / HD4550**  
(RV710)  
512Mb 64 bit DDR3  
55nm DX10.1 Unified Shaders  
CrossfireX, HDMI, HDCP,  
UVD, PCIe 2.0, DP

**HD3650**  
(RV635)  
55nm  
DX10.1 Unified Shaders  
Crossfire, HDMI, HDCP, UVD,  
PCIe 2.0, DP

**HD3450**  
(RV620LE)  
55nm  
DX10.1 Unified Shaders  
Crossfire, HDMI, HDCP, UVD,  
PCIe 2.0, DP

Red Font = New Features  
Dashed Box = Future Release

Performance is our Passion





# VGA Board Line Up

# HD5800 Series Lineup



Enthusiast

## HD5970 OC

2Gb (2 x 1 Gb) GDDR5 (735e/4040m)  
DVI-I/DVI-I/Mini DP (DS) BBA

## HD5970 4Gb

(2 x 2 Gb) GDDR5 (850e/1200m)  
DVI-I/DVI-I/Mini DP (Triple Slot Cooler)

## HD5870 Vapor-X

2 Gb GDDR5 (875e/5000m)  
DVI-I/DVI-I/HDMI/DP (DS)

## HD5870 Vapor-X

1 Gb GDDR5 (875e/5000m)  
DVI-I/DVI-I/HDMI/DP (DS)

## HD5870 Eyefinity 6

2 Gb GDDR5 (850e/4800m)  
6 x Mini DP (DS) BBA

## HD5870

1 Gb GDDR5 (850e/4800m)  
DVI-I/DVI-I/HDMI/DP (DS)

## HD5850 Toxic

1 Gb GDDR5 (765e/4500m)  
DVI-I/DVI/HDMI/DP (DS)

## HD5850 Toxic

2Gb GDDR5 (765e/4500m)  
DVI-I/DVI/HDMI/DP (DS)

## HD5850 Vapor-X

2Gb GDDR5 (735e/4200m)  
DVI-I/DVI/HDMI/DP (DS)

## HD5850 Vapor-X

1 Gb GDDR5 (735e/4200m)  
DVI-I/DVI/HDMI/DP (DS)

## HD5850

1 Gb GDDR5 (725e/4000m)  
DVI-I/DVI/HDMI/DP (DS)

## HD5830

1 Gb GDDR5 (800e/4000m)  
DVI-I/DVI/HDMI/DP (DS)

Performance is our Passion...

May

June

July

August

# HD5770 Series Lineup



**NEW !!!**

Performance

**HD5770 Vapor-X**  
1 Gb GDDR5 (860e/4800m)  
DVI-I/DVI-I/HDMI/DP (DS)

**HD5770**  
1 Gb GDDR5 (850e/4800m)  
DVI-I/DVI-I/HDMI/DP (DS)

**HD5770**  
512 Mb GDDR5 (850e/4800m)  
DVI-I/DVI-I/HDMI/DP (DS)

**HD5750 Vapor-X**  
1 Gb GDDR5 (710e/4640m)  
DVI-I/DVI/HDMI/DP (DS)

**HD5750**  
1 Gb GDDR5 (700e/4600m)  
DVI-I/DVI/HDMI/DP (DS)

**HD5750**  
512 Mb GDDR5 (700e/4600m)  
DVI/HDMI/DP (DS)

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# HD5600, HD5500, HD5400 Series Lineup



Performance  
Mainstream

**HD5670 Ultimate**  
1 Gb GDDR5 (775e/4000m)  
DVI-I/HDMI/DP Eyefinity

**HD5670**  
1 Gb / 512 Mb / HyperMemory GDDR5 (775e/4000m)  
DVI-I/HDMI/DP Eyefinity

**HD5670**  
512 Mb / HyperMemory GDDR5 (775e/4000m)  
DVI-I/HDMI/VGA

**HD5570**  
1 Gb / 512 Mb GDDR5 (650e/4000m)  
VGA/DVI/HDMI

**HD5570**  
1 Gb / Hyper Memory DDR3 (650e/1600m) Low Profile  
VGA/DVI/DP Eyefinity

**HD5570**  
1 Gb / Hyper Memory DDR3 (650e/1600m)  
VGA/DVI/HDMI Low Profile

**NEW !!!**

**HD5550**  
512 Mb / 1 Gb / Hyper M GDDR5 (550e/4000m)  
VGA/DVI/HDMI + 512 Mb HDMI/DVI/DP EF

**HD5550**  
1 Gb / Hyper Memory DDR3 (550e/1600m)  
VGA/DVI/HDMI Low Profile

**HD5550**  
2 Gb DDR2 (550e/800m)  
VGA/DVI/HDMI

**HD5550 Ultimate**  
1 Gb / Hyper Memory GDDR5 (550e/800m)  
VGA/DVI/HDMI

**HD5550**  
1 Gb / Hyper Memory DDR2 (550e/800m)  
VGA/DVI/HDMI

**HD5550 Low Profile**  
1 Gb DDR3 (550e/1334m)  
VGA/DVI/HDMI

**HD5450**  
512 Mb / Hyper Memory DDR3 (650e/1334m)  
DVI/HDMI/DP (Eyefinity)

**HD5450**  
1 Gb / 512 Mb / Hyper Memory DDR3 (650e/1334m)  
DVI/HDMI/VGA LP

**HD5450**  
1 Gb / 512 Mb / Hyper Memory DDR2 (650e/812m)  
DVI/HDMI/VGA LP

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# HD4600 Series Lineup



## HD4670

1 Gb DDR3 (750e/1600m)  
VGA/DVI/HDMI  
(Dual Slot Artic Cooling FAN)

## HD4650 ULTIMATE

1Gb / HM DDR2 (600e/800m)  
VGA/DVI/HDMI (DS Heatpipe)

## HD4650 AGP

512 Mb / 1 Gb DDR2  
(600e/800m)  
DVI/DVI/TV (Fan)

## HD4650

1Gb / HM DDR2  
(600e/800m)  
VGA/DVI/HDMI (SS Fan) + 1Gb  
LowProfile Edition

## HD4650

512Mb/ HM 64 bit DDR2  
(600e/1000m)  
VGA/DVI/HDMI (SS Fan)

May

June

July

August

Performance is our Passion...

Performance

Mainstream

# HD4300 and HD4500 Series Lineup



Mainstream

Value

## HD4550

512Mb / 1 Gb HM 64bit  
DDR3 VGA/DVI/HDMI  
Heatsink LP 600e/1334m

## HD4350

512Mb / 1Gb / HM 64bit  
DDR2 VGA/DVI/HDMI  
Heatsink LP 600e/800m

## HD4350 PCI-e X1

512Mb 64bit DDR2  
VGA/DVI/HDMI Heatsink LP  
600e/800m (Special Order)

## HD4350

256Mb / 1 Gb HM 64bit  
DDR2 VGA/DVI/HDMI  
Heatsink LP 600e/600m

## HD4350 PCI

512 Mb 64bit DDR2  
VGA/DVI/HDMI Heatsink LP  
600e/800m (Special Order)

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# HD3K Series Lineup



Mainstream

Value

**HD3650**  
-AGP 512Mb DDR2, Single Slot Cooler

While supply lasts

**HD3450**  
- AGP 512 Mb DDR2, Single Slot Fan Cooler

While supply lasts

May

June

July

August

Performance is our Passion...