



Sapphire Graphics Roadmap

December 2009

Redefining the Limits....



VGA ASIC Line Up

AMD Desktop GPU Roadmap



•Q4 08

•Q1 09

•Q2 09

•Q3 09

•Q4 09

Q1 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

HD4850X2
55nm
DX10.1 Unified Shaders
CrossfireX, HDMI, HDCP,
UVD, PCIe 2.0, DP

HD5850 / HD5870
(Cypress)
40nm – 256 bit GDDR5
DX11, Eyefinity
CrossfireX, HDMI, HDCP,
UVD, PCIe 2.0, DP

HD4890
(RV790)
55nm – 256 bit GDDR5
DX10.1 Unified Shaders
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

HD4870
(RV770XT)
55nm
DX10.1 Unified Shaders
CrossfireX, HDMI, HDCP,
UVD, PCIe 2.0, DP

HD4770
(RV740)
40nm – 128 bit GDDR5
DX10.1 Unified Shaders
CrossfireX, HDMI, HDCP,
UVD, PCIe 2.0, DP

New !

HD4830 / 4850
(RV770 LE / Pro)
55nm
DX10.1 Unified Shaders
CrossfireX, HDMI, HDCP,
UVD, PCIe 2.0, DP

HD4730
(RV770CE)
55nm – 128 bit GDDR5
DX10.1 Unified Shaders
CrossfireX, HDMI, HDCP,
UVD, PCIe 2.0, DP

New !

HD3800 series
(RV670)
55nm
DX10.1 Unified Shaders
CrossfireX, HDMI, HDCP,
UVD, PCIe 2.0,

HD4650 / HD4670
(RV730)
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

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

New !

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



HD5970 OC

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

HD5870 Vapor-X

2 Gb GDDR5 (870e/5000m)
DVI-I/DVI-I/HDMI/DP (DS)

HD5870 Vapor-X

1 Gb GDDR5 (870e/5000m)
DVI-I/DVI-I/HDMI/DP (DS)

HD5870 OC

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

HD5870

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

HD5850 Toxic

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

HD5850 Vapor-X

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

HD5850 Vapor-X

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

HD5850 OC

1 Gb GDDR5 (???e/???m)
DVI-I/DVI-I/HDMI/DP (DS) BBA

HD5850

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

Enthusiast

Performance is our Passion...

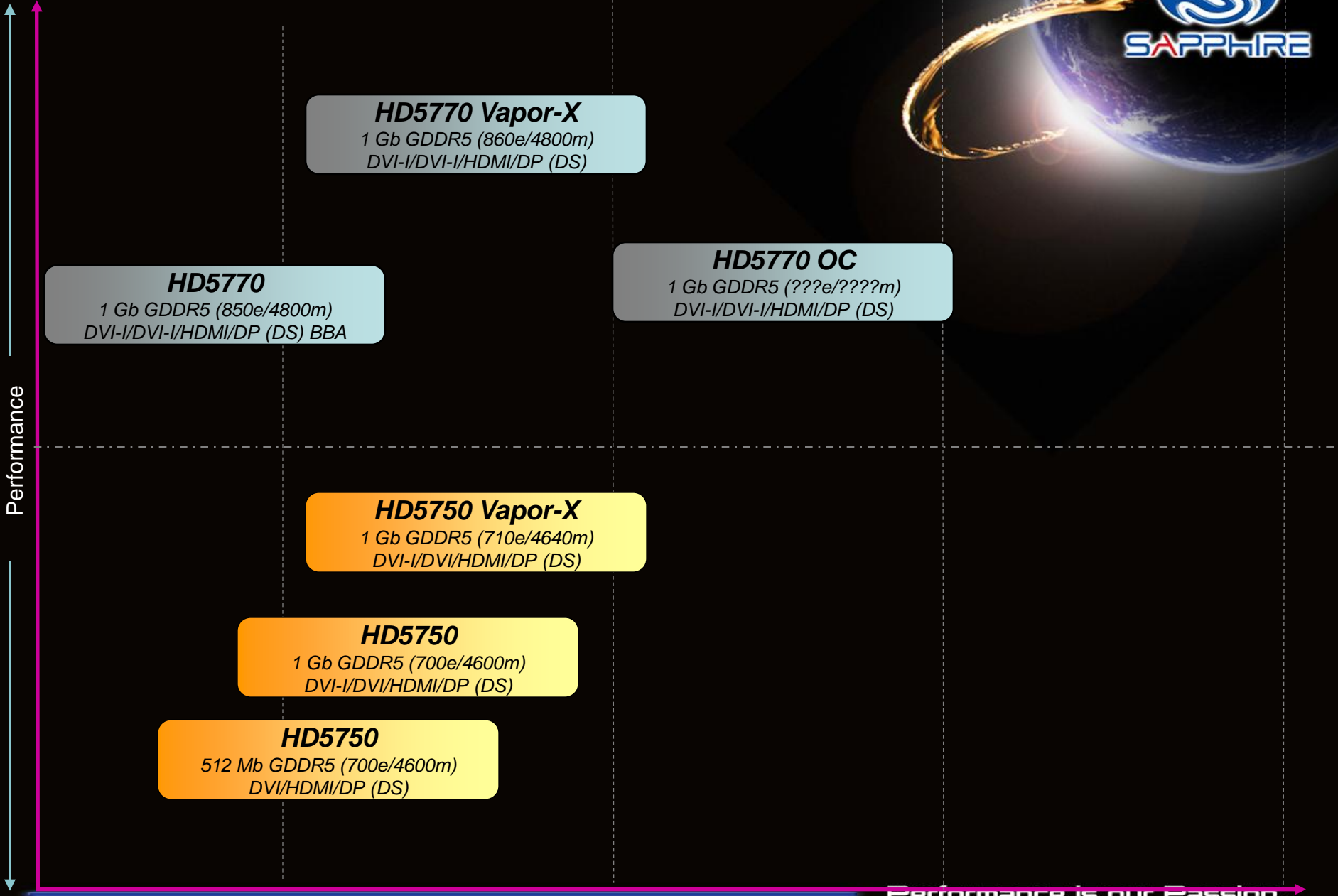
November

December

January

February

HD5700 Series Lineup



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) BBA

HD5770 OC

1 Gb GDDR5 (???e/????m)
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)

November

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Performance is our Passion...

HD4800 Series Lineup



HD4850X2

1Gb / 2Gb GDDR3 (625e/1986m)
4 x DVI-I/TV

Ongoing

Vapor-X HD4850

1 Gb GDDR3 (650e/2000m)
VGA/DVI/HDMI (VCT)

Ongoing till Q1 2010

HD4850

512 Mb / 1 Gb GDDR3 (625e/1986m)
VGA/DVI/HDMI (DS)

Ongoing till Q1 2010

Enthusiast

Performance

November

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Performance is our Passion...

HD4600 and HD4700 Series Lineup



HD4670

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

HD4670 ULTIMATE

512Mb GDDR3 (750e/1746m)
VGA/DVI/HDMI (DS Heatpipe)

HD4670

512Mb GDDR3 (750e/1746m)
VGA/DVI/HDMI
(Dual Slot Artic Cooling FAN)

HD4650 ULTIMATE

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

HD4650 AGP

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

HD4650

512Mb/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)

Performance

Mainstream

Performance is our Passion...

November

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January

February

HD4300 and HD4500 Series Lineup



Mainstream

Value

HD4550

512Mb / 1 Gb HM 64bit
DDR3 VGA/DVI/HDMI
Heatsink LP 600e/1500m

HD4350

1Gb 64bit DDR2
DVI/DVI/TV Heatsink LP
600e/800m

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

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

November

December

January

February

Performance is our Passion...

HD3K Series Lineup



Mainstream

Value

HD3850
- AGP 512Mb GDDR3, Single Slot Cooler

HD3650
-AGP 512Mb DDR2, Single Slot Cooler

HD3450
- 1 Gb HyperMemory with 256 / 512Mb DDR2, LP, Heatsink
- **AGP** 512 Mb DDR2, Single Slot Fan Cooler

While supply lasts

While supply lasts

While supply lasts

November

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