

The All New Sapphire HD 5000 Series

SAPPHIRE HD5970 OC Edition

Memory	2GB GDDR5
Memory Bus	256-bit x 2
Engine Clock / Memory Clock	735MHz / 4040 MHz
Stream Processing Units	1,600
Outputs	Mini DP / 2 x DVI



SAPPHIRE HD5870

Memory	1GB / 2GB GDDR5
Memory Bus	256-bit
Engine Clock / Memory Clock	850MHz / 4,800MHz 870MHz / 5,000MHz (Vapor-X)
Stream Processing Units	1,600
Outputs	DP / HDMI / 2 x DVI



SAPPHIRE HD5850

Memory	1GB / 2GB GDDR5
Memory Bus	256-bit
Engine Clock / Memory Clock	725MHz / 4,000MHz 735MHz / 4,200MHz - Vapor-X 765MHz / 4,500MHz - Toxic
Stream Processing Units	1,440
Outputs	DP / HDMI / 2 x DVI



SAPPHIRE HD5830

Memory	1GB GDDR5
Memory Bus	256-bit
Engine Clock / Memory Clock	800MHz / 4,000MHz
Stream Processing Units	800
Outputs	DP / HDMI / 2x DVI



SAPPHIRE HD5770

Memory	1GB / 512MB GDDR5
Memory Bus	128-bit
Engine Clock / Memory Clock	850MHz / 4,800MHz 860MHz / 4,800MHz - Vapor-X
Stream Processing Units	800
Outputs	DP / HDMI / 2x DVI DP / HDMI / DVI (512MB version)



SAPPHIRE HD5750

Memory	512MB / 1GB GDDR5
Memory Bus	128-bit
Engine Clock / Memory Clock	700MHz / 4600MHz 710MHz / 4640MHz (Vapor-X)
Stream Processing Units	720
Outputs	DP / HDMI / 2 x DVI (standard, Vapor-X) DP / HDMI / DVI (512MB)



SAPPHIRE HD 5670

Memory	1GB / 512MB GDDR5 / HM
Memory Bus	128-bit
Engine Clock / Memory Clock	775MHz / 4,000MHz
Stream Processing Units	400
Outputs	DP / HDMI / DVI HDMI / DVI / VGA

HyperMemory version with 1GB, 512MB VRAM available



Sapphire HD5570

Memory	1GB DDR3 / HM
Memory Bus	128-bit
Engine Clock / Memory Clock	650MHz / 1,800MHz
Stream Processing Units	400
Outputs	DP / HDMI / DVI HDMI / DVI / VGA

HyperMemory version with 1GB DDR3 VRAM available



Sapphire HD5450

Memory	1GB / 512MB DDR3 1GB / 512MB DDR2
Memory Bus	64-bit
Engine Clock / Memory Clock	650MHz / 1,334 MHz (DDR3) [#] 650MHz / 800 MHz (DDR2) [#]
Stream Processing Units	80
Outputs	DP / DVI / VGA HDMI / DVI / VGA

HyperMemory version with DDR3 and DDR2 VRAM available



Sapphire HD 4000 Series

SAPPHIRE HD 4670

Memory	512MB GDDR3 / 1GB DDR3
Memory Bus	128-bit
Engine Clock / Memory Clock	750MHz / 1,600 - 1,746MHz
Stream Processing Units	320
Outputs	HDMI / DVI-I / VGA

Ultimate version: 512MB GDDR3



SAPPHIRE HD 4650

Memory	512MB / 1GB DDR2 / HM
Memory Bus	128-bit
Engine Clock / Memory Clock	600MHz / 800 MHz
Stream Processing Units	320
Outputs	HDMI / DVI / VGA 2 x DVI / TV-Out (AGP)

Ultimate and LP version - 1GB DDR2
HM version - 1GB DDR2 VRAM
AGP version - 1GB DDR2, 2x DVI / TVO



SAPPHIRE HD 4650

Memory	512MB / HM
Memory Bus	64-bit
Engine Clock / Memory Clock	600MHz / 1,000MHz
Stream Processing Units	320
Outputs	HDMI / DVI / VGA

HM version - 512MB DDR2 VRAM



SAPPHIRE HD 4550

Memory	512MB DDR3 / 1GB HM
Memory Bus	64-bit
Engine Clock / Memory Clock	600MHz / 1,334MHz
Stream Processing Units	80
Outputs	HDMI / DVI-I / VGA

Bundle with LP bracket
1GB HM - 512MB DDR3
VRAM on board



SAPPHIRE HD 4350

Memory	256MB / 512MB / 1GB DDR2 / HM
Memory Bus	64-bit
Engine Clock / Memory Clock	600MHz / 800MHz 600MHz / 600MHz (256MB)
Stream Processing Units	80
Outputs	HDMI / DVI-I / VGA

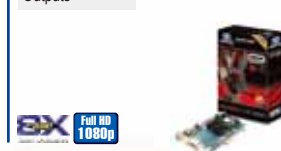
bundle with LP bracket
HyperMemory version with 1GB, 512MB, 256MB VRAM available



Sapphire HD 3000 Series

SAPPHIRE HD 3650 AGP version

Memory	512MB DDR2
Memory Bus	128-bit
Engine Clock / Memory Clock	725MHz / 600MHz
Stream Processing Units	120
Outputs	2 x DVI / TVO



SAPPHIRE HD 3450

Memory	256MB / 512MB DDR2
Memory Bus	64-bit
Engine Clock / Memory Clock	600MHz / 800MHz (AGP)(PCI-E) 600MHz / 600MHz (PCI-E)
Stream Processing Units	40
Outputs	HDMI / DVI / VGA





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Building on its success and established reputation for quality products and performance solutions, SAPPHIRE Technology is a truly global company.

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Ever since ATI announced the restructuring of its approach to manufacturing and distribution in June of 2001, SAPPHIRE has always been the key supplier of ATI-based graphics solutions worldwide. SAPPHIRE now designs, manufactures and distributes the most complete range of video boards in the world - from cost effective high volume mainstream products, through the highly competitive midrange solutions to the very latest state-of-the-art high performance single board and multi-GPU solutions.

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All SAPPHIRE ATI video boards are manufactured under 100% ATI production criteria including QC and outgoing system. Our monthly video board production capacity can reach a lofty 1.8 million. Our factory is the major manufacturer on ATI boards for most of the top ten tier 1 OEMs worldwide. With this background, you should undoubtedly be guaranteed of the impeccable quality, production capacity and product reliability of all ATI video boards from SAPPHIRE.



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