



# ATI Radeon HD 5830



**LINK (<https://www.nexthardware.com/news/schede-video/1956/ati-radeon-hd-5830.htm>)**

Specifiche della nuova scheda grafica ATI

Rese note le specifiche delle nuove schede della fascia medio-alta di ATI e disponibili dal 25 febbraio.

Le nuove HD 5830 sono sviluppate sulla gpu a 40nm Cypress, dispone di 1120 stream processors, interfaccia a 256-bit, 16 ROPs, 56 TMUs, e una frequenza di 800 MHz (core) e 1000 MHz (memorie) con una banda di 128 GB/s.

La schede si pongono in un range di prezzo tra i \$200 e i \$250 con prestazioni tra la HD5770 e la HD 5870.



**ATI Radeon™ HD 5800 Series**  
Expanding the Award Winning Family



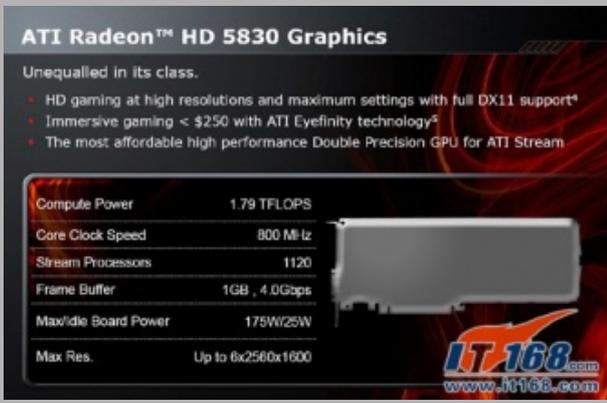
**ATI Radeon™ Performance and Enthusiast Product Positioning - 2010**

- Ultra Enthusiast** (SEP > \$500): HD 5870 95, HD 5870 108 GB GS
- Enthusiast** (\$200 < SEP < \$400): HD 5850 108 GB, HD 5830 108 GB
- Performance** (\$100 < SEP < \$200): HD 5770 108 GB, HD 5750 512MB 108 GB



**Detailed Product Specifications**

	ATI Radeon™ HD 5770	ATI Radeon™ HD 5830	ATI Radeon™ HD 5850	ATI Radeon™ HD 5870
Process	40nm	40nm	40nm	40nm
Transistors	1,04B	2,15B	2,57B	2,57B
Engine Clock	800 MHz	800 MHz	725 MHz	830 MHz
Stream Processors	800	1120	1440	1600
Compute Performance	3.26 TFLOPs	1.79 TFLOPs	2.09 TFLOPs	2.72 TFLOPs
Texture Units	40	56	72	80
Texture Fillrate	34.8 GTexel/s	44.8 GTexel/s	52.2 GTexel/s	68.0 GTexel/s
ROPs	16	16	16	16
Pixel Fillrate	13.6 GPixel/s	12.8 GPixel/s	15.2 GPixel/s	17.2 GPixel/s
Z/Stencil	54.4 Gsamples/s	51.3 Gsamples/s	52.8 Gsamples/s	106.8 Gsamples/s
Memory Type	GDDR5	GDDR5	GDDR5	GDDR5
Memory Clock	1200 MHz	1000 MHz	1000 MHz	1200 MHz
Memory Data Rate	4.8 Gbps	4.0 Gbps	4.0 Gbps	4.8 Gbps
Memory Bandwidth	48 GB/s	128.0 GB/s	128.0 GB/s	133.6 GB/s
Maximum Board Power	100W	175W	151W	180W
Info Board Power	18W	35W	37W	37W



**ATI Radeon™ HD 5830 Graphics**

Unequaled in its class.

- HD gaming at high resolutions and maximum settings with full DX11 support\*
- Immersive gaming < \$250 with ATI Eyefinity technology\*
- The most affordable high performance Double Precision GPU for ATI Stream

Compute Power	1.79 TFLOPS
Core Clock Speed	800 MHz
Stream Processors	1120
Frame Buffer	1GB , 4.0Gbps
Max/Idle Board Power	175W/25W
Max Res.	Up to 6x2560x1600

