

M9-CSP64 (MOBILITY^{тм} RADEON^{тм} 9000) Product Snapshot

MOBILITY[™] RADEON[™] 9000 offers the embedded market the fastest-performing 3D graphics supporting cinematic-quality video, and features that dramatically enhance all aspects of the visual experience in every application.

Package Specifications

• *Package, Size:* 650 BGA, 31mm x 31mm

Graphics Processor Specifications

- Process technology, Core Voltage: 0.15um, 1.5V
- Graphics Clock: 250 MHz

Memory Specifications

- Memory Type: Samsung 4MBx32 DDR SDRAM
- *I/O Type, VDDC:* SSTL-2, 2.5V
- Memory Clock, Max Memory Path: 200MHz clock, 128 bit width
- *Maximum Memory Configuration:* 64MB Embedded memory (no external memory allowed)

Bus Specifications

• AGP bus support/ PCI bus support:: AGP 2X (3.3V), 4X (1.5V)/ PCI 2.2

Outputs

- CRT1 (Primary): Triple 10-bit palette DAC, 400 MHz
- CRT1 (Secondary): Triple 10-bit palette DAC
- Integrated LVDS: Dual Channel LVDS up to 85 MHz per channel
 - Supports 18 bit and 24 bit modes for both single and dual channel LVDS.
 - TFT Panel support
- Integrated TV encoder: Shares the Secondary DAC
- Integrated TMDS: 165 MHz, DVI, DFP and VESA P&D interface
- Support for External TMDS/24bit TTL
- Supported Display Combinations: LVDS + DVI + CRT, LVDS + CRT + TV, LVDS + TV + DVI

Resolution Support

- *Max 2D/3D resolution*: 2048x1536
- *Max color depth*: 16.7M Colors
- *LVDS, TMDS, TV-out:* 2048x1536, 1600x1200, 1024x768

Driver Support

 Win 98/ME/2000/XP/NT, Linux, QNX v6.2.1 Patch B (Please see your technical contact for additional OS support)



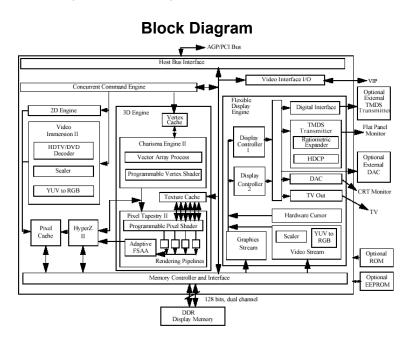
M9-CSP64 (MOBILITYTM RADEONTM 9000) (Continued)

Power Consumption			
Test	Mode	Average Power (W)	
		LVDS Panel Only	LVDS Panel + CRT + TV
Static Windows	1024x768x32 bpp 75 Hz AGP 4x	1.76	2.35
Bus Graph Winmark 99		2.40	3.00
Quake 3		4.54	5.31
3DMark 2001SE – Demo		7.01	7.90
Test	Mode	Maximum Power (W)	
		LVDS Panel Only	LVDS Panel + CRT + TV
Bus Graph Winmark 99	1024x768x32 bpp 75 Hz AGP 4x	6.74	7.09
Quake 3		7.03	8.21
3DMark 2001SE – Demo		8.79	9.46

MOBILITYTM RADEONTM 9000 Drivers

Please visit the following web site to obtain the appropriate software drivers:

http://www.ati.com/products/embedded/sw.html



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