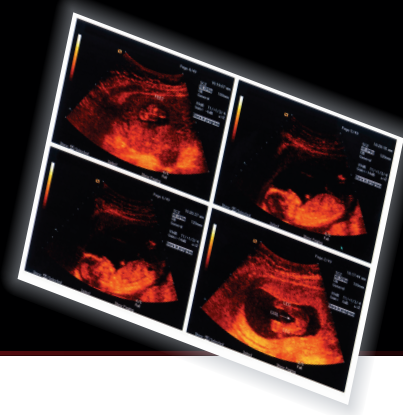


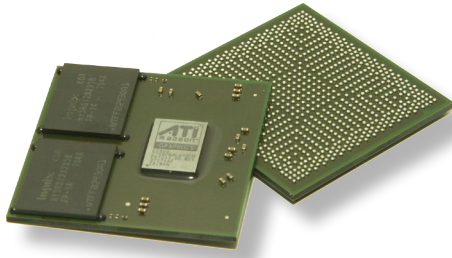


# ATI Radeon™ E2400

Embedded Graphics Processor



## Ideal Performance for Commercial and Industrial Graphics



### → Scalable Power & Performance

- 3DMark05 up to 4061
- Scalable from 7W to 13W
- 128MB GDDR3 memory

### → Extended Availability

- 5 year supply availability\*
- Dedicated technical support

### Power-Efficient 2D, 3D and Multimedia Graphics

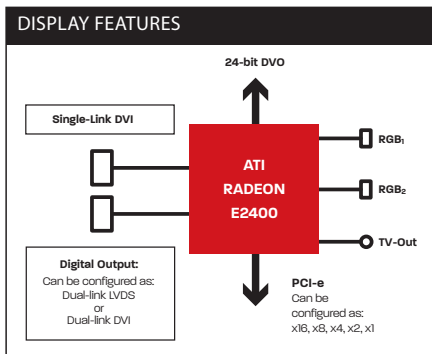
The ATI Radeon™ E2400 is a high-performance graphic processing unit (GPU) that delivers exceptional 2D, 3D, and multimedia graphics performance for embedded systems. Based on 65nm process technology, the E2400 offers the flexibility to adjust clock settings to reduce power consumption as needed, scaling down to 7W. With two independent display controllers, the ATI Radeon E2400 offers a highly flexible display architecture, which includes integrated DVI, LVDS, dual-RGB, and HD TV-Out. A built-in Unified Video Decoder enables on-GPU H.264 and VC-1 decode.

### High Performance Graphics in a Small Footprint

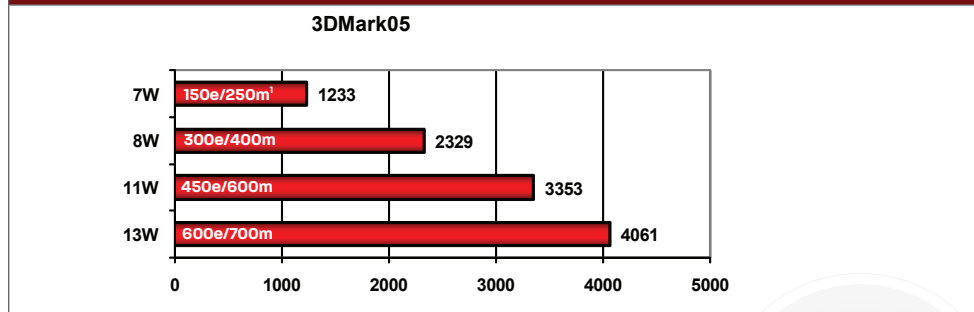
At 31mm x 31mm including 128MB of GDDR3 memory integrated in the compact package, the ATI Radeon E2400 opens up the opportunity to use high quality graphics in a variety of space constrained designs. Without the need for external graphics memory, the E2400 speeds time to market by reducing the complexity of PCB design and layout, memory tuning, and memory procurement logistics. Within the small footprint the ATI Radeon E2400 fully supports Microsoft® DirectX® 10.0 and OpenGL 2.0. This can help customers develop richer, visually appealing content for their embedded applications, with the confidence that their graphics requirements can be met for the entire product lifecycle.

### Committed to Embedded Solutions

Building on a proven track record of customer-centric innovation, AMD recognizes the longer product lifecycle requirements of the embedded market. The five-year longevity of the E2400 is offered specifically to bring exciting new possibilities for embedded display solutions and can help eliminate barriers to the adoption of advanced graphics. A flexible architecture along with specialized technical support create an opportunity for system designers to develop innovative solutions for unique market requirements.



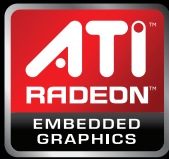
### ATI Radeon™ E2400 Scalable Performance



Note 1. e/m indicates the 3D engine (e) and memory (m) clock speed in MHz.

\* Part availability is planned for 5 years from date of announcement, subject to change without notice.





## ATI Embedded Comparison

	E2400	E4690
<b>Graphics Processing Unit</b>		
Max Frequency	600 MHz	600 MHz
Process Technology	65nm	55nm
CPU Interface	PCIe 1.1 (x1, x2, x4, x8, x16)	PCIe 2.0 (x1, x2, x4, x8, x16)
Shader Processing Units	40	320
AVIVO Display Engine	✓	✓
Full 30-bit Display Pipeline	✓	✓
DirectX	10	10.1
Shader Model	3.0	4.0
OpenGL	3.3	3.3
Stream Computing	✓	✓
OpenCL (2H09)		✓
Motion Video Decode	H.264, VC-1	H.264, VC-1, MPEG-2
Internal Thermal Sensor	✓	✓
<b>Memory</b>		
Max Frequency	700 MHz	700 MHz
Type	GDDR3	GDDR3
Configuration (on-chip)	128MB	512MB
Width	64 bit	128 bit
<b>Display Interfaces*</b>		
Analog RGB (triple 10 bit DAC, 400MHz)	2	2
Analog TV (YPbPr, Composite, SVideo)	1	1
DVI – Single Link	2	2
DVI – Dual Link	1	2
DisplayPort (v1.1a)		2
HDMI	1	1
Integrated HD Audio Controller (Azalia)	1	1
HDCP Keys	1	2
LVDS – Single or Dual Link, 18 or 24 bpp	1	2
DVO (12-bit DDR or 24-bit SDR/DDR)	1	1
<b>Operating System Support</b>		
Windows XP	✓	✓
Windows Vista	✓	✓
Windows 7	✓	✓
Linux (x86)	✓	✓

\* Not all display interfaces can be used at the same time. All display outputs are independent timings. Display resolutions up to 3840x2400 per display output, provided available memory or interface bandwidth are not oversubscribed.

Contact your local AMD distributor for ordering information:  
OPN: 100-CG1399

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