



Product Brief:

AMD Embedded Radeon™ E6760 GPU Series

AMD Embedded Radeon™ E6465 Series

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AMD Power-Efficient Embedded GPUs

EXCELLENT PROCESSING PERFORMANCE AND LOW POWER CONSUMPTION TO MEET EXACTING THERMAL REQUIREMENTS

OVERVIEW

AMD Radeon™ power-efficient embedded discrete GPUs provide an optimal performance-per-watt balance for embedded systems with strict thermal constraints, enabling passive cooling for many designs. Targeted for use in low-power, small form factor, and ruggedized systems, AMD power-efficient embedded GPUs are an excellent fit for applications including mobile and static-screen digital signage, retail and kiosks, factory human-machine interfaces, thin client computing, and heads-up military and aerospace displays.

KEY BENEFITS

- **Low Power Consumption** – Boost energy efficiency for power-sensitive systems by leveraging low-power processors with thermal design power (TDP) profiles as low as 20W. Reduce thermal dissipation, improve cooling efficiency, and lower total cost of ownership by using less power.
- **High-Resolution Graphics in a Small Footprint** – Leverage high-quality graphics for small form factor and remotely deployed systems. Maximize space savings with compact systems that fit behind digital signage installations, in airplane cockpit panels, and on mobile hospital workstations.
- **Fanless Designs and Improved Ruggedization** – Employ passive cooling to conserve space and help improve system reliability. Utilize sealed, ventless enclosures that protect against moisture and airborne particulates in harsh operating environments.

PRODUCT DETAILS**AMD Embedded Radeon™ E6760 Series (MCM, MXM, and PCIe)**

- Multichip module BGA
- Six Compute Units;¹ 576 GFLOPS
- 1GB GDDR5 Memory; 128-bit wide
- <35W Thermal Design Power
- Graphics Clock 600MHz
- Memory Clock 800MHz
- AMD Eyefinity technology for up to six display outputs²
- Dual HD decode of H.264, VC-1, MPEG-4, and MPEG-2
- Microsoft DirectX® 11 capable

AMD Embedded Radeon™ E6465 Series (MCM, MXM, and PCIe)

- E6465 MCM is pin compatible with E6460 MCM
- Two Compute Units; 192 GFLOPS
- 2GB GDDR5 Memory; 64-bit wide
- <20W Thermal Design Power
- Graphics Clock 600-MHz
- Memory Clock 800-MHz
- AMD Eyefinity technology for up to four display outputs²
- Dual HD decode of H.264, VC-1, MPEG-4 and MPEG-2
- Microsoft DirectX 11 capable

AMD Embedded Radeon™ E6460 Series (MCM, MXM, and PCIe)

- Multichip module BGA
- Two Compute Units; 192 GFLOPS
- 512MB GDDR5; 64-bit wide
- <20W Thermal Design Power
- Graphics Clock 600 MHz
- Memory Clock 800 MHz
- AMD Eyefinity technology for up to four display outputs²
- Dual HD decode of H.264, VC-1, MPEG-4, and MPEG-2
- Microsoft DirectX 11 capable

OPN	MODEL	OUTPUT	COOLING
100-CG2266	AMD Embedded Radeon™ E6760 MCM Module	6 x DisplayPort / HDMI® / DVI	N/A
100-K00159	AMD Embedded Radeon™ E6760 MXM Type A Module	5 x DisplayPort / HDMI / DVI	N/A
100-K00156	AMD Embedded Radeon™ E6760 MXM Type A Module	DVI-I + DVI-D + HDMI	Fansink
100-K00157	AMD Embedded Radeon™ E6760 MXM Type A Module	DVI-I + DVI-D + HDMI	Heatsink
100-K00172	AMD Embedded Radeon™ E6760 MXM Type A Module	DVI-I + DVI-D + HDMI	N/A
100-K00170	AMD Embedded Radeon™ E6760 MXM Type A Module	6 x DisplayPort / HDMI / DVI	Fansink
100-K00171	AMD Embedded Radeon™ E6760 MXM Type A Module	6 x DisplayPort / HDMI / DVI	Heatsink
100-438019	AMD Embedded Radeon™ E6760 PCIe Board	2 x DVI and 1x mini DisplayPort	Fansink
100-438042	AMD Embedded Radeon™ E6760 PCIe Board	2 x DVI and 1x mini DisplayPort	Heatsink
100-438060	AMD Embedded Radeon™ E6760 PCIe Board	6 x mini DisplayPort	Fansink
100-438061	AMD Embedded Radeon™ E6760 PCIe Board	6 x mini DisplayPort	Heatsink
100-438037	AMD Embedded Radeon™ E6760 PCIe Board	6 x DisplayPort (with mDP to DP adapters)	Low-Power Heatsink
100-438059	AMD Embedded Radeon™ E6760 PCIe Board	6 x DisplayPort	Low-Power Heatsink
100-438038	AMD Embedded Radeon™ E6760 PCIe Board	6 x DisplayPort (with mDP to DP adapters)	Fansink
100-438039	AMD Embedded Radeon™ E6760 PCIe Board	6 x DisplayPort (with mDP to DP adapters)	Heatsink
100-438020	AMD Embedded Radeon™ E6760 PCIe Board	6 x DVI (with mDP to DVI adapters)	Fansink
100-438023	AMD Embedded Radeon™ E6760 PCIe Board	6 x DVI (with mDP to DVI adapters)	Heatsink
100-438081	AMD Embedded Radeon™ E6760 PCIe Board	4 x DisplayPort	Fansink
100-438084	AMD Embedded Radeon™ E6760 PCIe Board	4 x DisplayPort	Heatsink
100-438104	AMD Embedded Radeon™ E6760 PCIe Board	6 x DVI	Heatsink
100-438136	AMD Embedded Radeon™ E6760 PCIe Board	6 x DVI	Fansink
100-CG2763	AMD Embedded Radeon™ E6465MCM Module	4 x DisplayPort / HDMI / DVI	N/A
100-K00209	AMD Embedded Radeon™ E6465MXM Type A Module	4 x DisplayPort / HDMI / DVI	N/A
100-K00210	AMD Embedded Radeon™ E6465MXM Type A Module	4 x DisplayPort / HDMI / DVI	Heatsink
100-438182	AMD Embedded Radeon™ E6465PCIe Low Profile Board	4 x mini DisplayPort	Heatsink
100-438181	AMD Embedded Radeon™ E6465PCIe Low Profile Board	2 x DisplayPort	Heatsink
100-CG2261	AMD Embedded Radeon™ E6460 MCM Module	4 x DisplayPort / HDMI / DVI	N/A
100-K00169	AMD Embedded Radeon™ E6460 MXM Type A Module	DVI-I + DVI-D + HDMI	N/A
100-K00177	AMD Embedded Radeon™ E6460 MXM Type A Module	DVI-I + DVI-D + HDMI	Fansink
100-K00168	AMD Embedded Radeon™ E6460 MXM Type A Module	DVI-I + DVI-D + HDMI	Heatsink
100-K00174	AMD Embedded Radeon™ E6460 MXM Type A Module	4 x DisplayPort / HDMI / DVI	N/A
100-K00178	AMD Embedded Radeon™ E6460 MXM Type A Module	4 x DisplayPort / HDMI / DVI	Fansink
100-K00173	AMD Embedded Radeon™ E6460 MXM Type A Module	4 x DisplayPort / HDMI / DVI	Heatsink
100-438047	AMD Embedded Radeon™ E6460 PCIe Board	2 x DVI and 1x mini DisplayPort	Heatsink
100-438062	AMD Embedded Radeon™ E6460 PCIe Low Profile Board	4 x mini DisplayPort	Heatsink
100-438048	AMD Embedded Radeon™ E6460 PCIe Low Profile Board	4 x mini DisplayPort (with mDP to DP adapters)	Heatsink
100-438049	AMD Embedded Radeon™ E6460 PCIe Low Profile Board	4 x DVI (with mDP to DVI adapters)	Heatsink

www.amd.com/embedded**HDMI™**

1. Discrete AMD Radeon™ and FirePro™ GPUs based on the Graphics Core Next architecture consist of multiple discrete execution engines known as a Compute Unit ("CU"). Each CU contains 64 shaders ("Stream Processors") working in unison. G0-78

2. AMD Eyefinity technology works with applications that support non-standard aspect ratios, which is required for panning across multiple displays. AMD Eyefinity technology can support up to four displays using a single enabled AMD R-Series APU or up to six displays using a single enabled AMD graphics card with Windows Vista or Windows 7 operating systems – the number and type of displays may vary by board design. Some implementations may require DisplayPort 1.2 multistreaming technologies with compatible monitors and/or hubs. SLS ("Single Large Surface") functionality requires an identical display resolution on all configured displays.

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