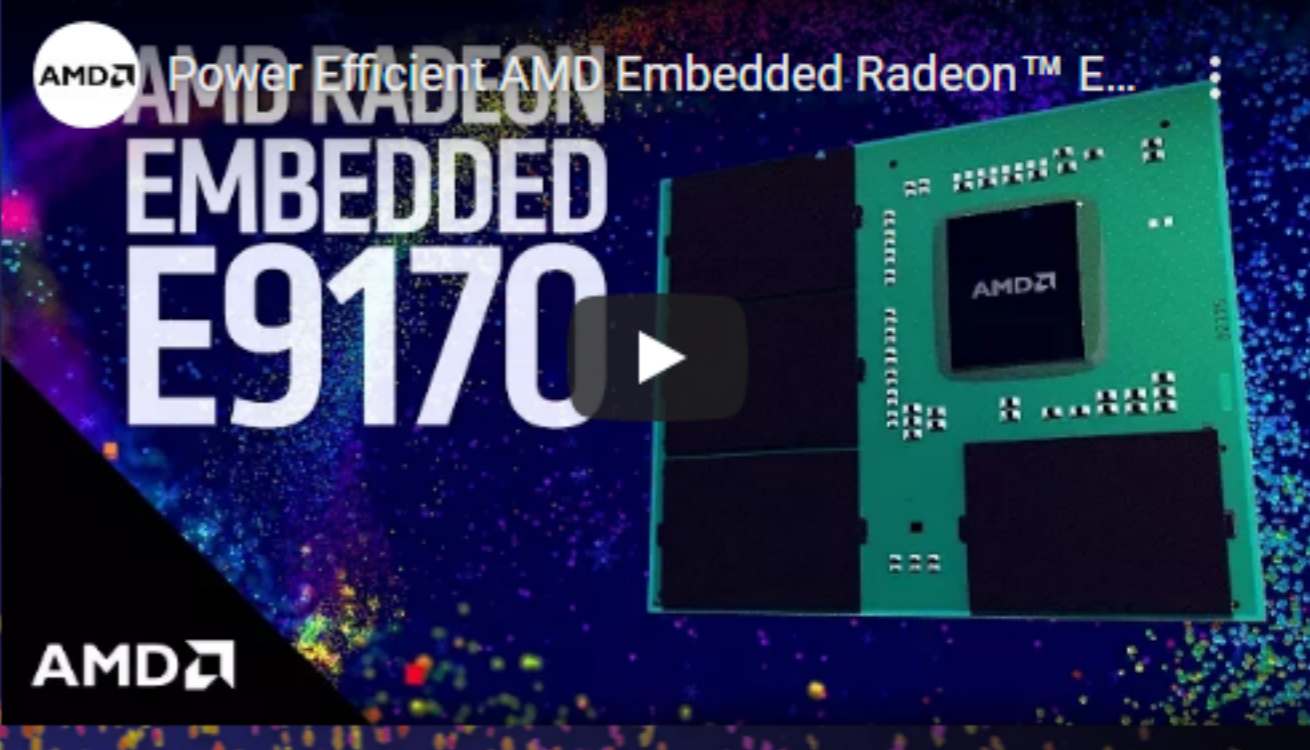




Optimal Balance of Performance and Power Efficiency

See the NEW AMD Embedded Radeon™ E9170 Series in Action



- OVERVIEW
- BENEFITS
- APPLICATIONS
- PRODUCTS

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.

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.

LEARN MORE

Applications

The Power Efficient Embedded GPUs are an excellent fit for various applications including:

- Mobile and static-screen digital signage
- Retail and Kiosks
- Factory human-machine interfaces
- Thin client computing
- Heads-up aerospace displays

FIND OUT MORE

Products

AMD Embedded Radeon™ E9170 Series (MCM, MXM, and PCIe®)

- 14nm FinFET “Polaris” architecture
- Eight Compute Units¹; 1.2 TFLOPS
- 2 or 4GB GDDR5 Memory; 64- or 128-bit wide
- 35-50W Total Board Power; 35W TGP for MCM
- Graphics Clock 1124 or 1219MHz
- Memory Clock 1500MHz
- AMD Eyefinity technology for up to five display outputs²
- 4K HEVC/H.265 and AVC/H.264 decode and encode³; 4K support at 60Hz
- Microsoft DirectX® 12 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

OPN	MODEL	FORMAT	TBP	DISPLAY OUTPUT	THERMAL SOLUTION
100-CG3135	AMD Embedded Radeon™ E9171	MCM	35W	5x DisplayPort/HDMI/DVI	N/A
100-K00259	AMD Embedded Radeon™ E9172	Type A MXM	35W	5x DisplayPort/HDMI/DVI	Heatsink
100-K00264	AMD Embedded Radeon™ E9172	Type A MXM	35W	5x DisplayPort/HDMI/DVI	N/A
100-438279	AMD Embedded Radeon™ E9173	Low Profile Format and Bracket	35W	1x DisplayPort + 2x mini DisplayPort	Fan
100-438280	AMD Embedded Radeon™ E9173	Low Profile Format and Full Height Bracket	35W	1x DisplayPort + 2x mini DisplayPort	Fan
100-K00260	AMD Embedded Radeon™ E9174	Type A MXM	50W	5x DisplayPort/HDMI/DVI	Heatsink
100-K00265	AMD Embedded Radeon™ E9174	Type A MXM	50W	5x DisplayPort/HDMI/DVI	N/A
100-438281	AMD Embedded Radeon™ E9175	ATX PCIe	50W	5x mini DisplayPort	Fan
100-CG2763	AMD Embedded Radeon™ E6465	MCM	28W	4 x DisplayPort / HDMI / DVI	N/A
100-K00209	AMD Embedded Radeon™ E6465	Type A MXM	28W	4 x DisplayPort / HDMI / DVI	N/A
100-K00210	AMD Embedded Radeon™ E6465	Type A MXM	28W	4 x DisplayPort / HDMI / DVI	Heatsink
100-438182	AMD Embedded Radeon™ E6465	Low Profile Format and Bracket	28W	4 x mini DisplayPort	Heatsink
100-438181	AMD Embedded Radeon™ E6465	Low Profile Format and Bracket	28W	2 x DisplayPort	Heatsink

Embedded Board Partner Catalog

Compare up to five products, powered by AMD embedded processors, available from our technology partners.

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VIEW RESOURCES

Resources

Explore our technical resources to learn more about the exceptional performance and powerful graphics experience of the AMD Embedded Radeon™ discrete GPU platform.

- AMD Embedded Developer Site (login required)
- Embedded Board Partner Catalog
- Embedded Silicon Selector Guide
- Embedded Resources

Sales

No matter what your business or customer needs may be, we believe AMD has the right solution for you. With a wide range of solutions – including Embedded Radeon™ and AMD FirePro™ – that address a broad range of all performance levels and price points, AMD allows you to explore new possibilities never imaginable before. Discuss all your options with your AMD representative.

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FOOTNOTES

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