



AMD Ultra High-Performance Embedded GPUs

PRODUCT BRIEF:

- AMD Embedded Radeon™ E9550MXM Module
- AMD Embedded Radeon™ E8950MXM Module

KEY MARKETS:

- Digital Gaming
- Digital Signage & Retail
- Medical Imaging
- Aerospace / Defense

Breakthrough Processing Performance for the Most Demanding Graphics Applications

OVERVIEW

AMD Radeon™ ultra high-performance embedded discrete GPUs elevate graphics processing performance to extraordinary heights, supporting 4K high-speed video, 3D visualization, and other compute-intensive graphics applications. Optimized for use in high-end systems spanning casino and arcade gaming, medical imaging, and conventional military and aerospace applications, AMD ultra high-performance embedded GPUs enable stunning, immersive visual experiences while supporting efficient thermal design power (TDP) profiles.

KEY BENEFITS

- **Ultra High-Performance Graphics** – Unleash next-generation graphics performance with 4K high-speed video decode and encode and seamless 3D visualization support. Enable breathtaking gaming experiences, eye-grabbing digital signage, precision 360-degree medical imaging, and advanced aerospace/defense avionics displays.
- **Efficient Thermal Design Power** – Support even the most compute-intensive graphics applications with processing speeds up to 5.5 TFLOPS at surprisingly efficient TDP profiles as low as 95W. Shrink power budget demands without compromising graphics performance.
- **Compact Form Factor** – Conserve valuable board space in small form factor systems including ultrasound machines and cockpit displays. Optimize airflow in dense electronic subsystems for better thermal dissipation.

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 FirePro™ – that address all performance levels and price points, AMD allows you to explore new possibilities never imaginable before. Discuss all your options with your AMD representative.

PRODUCT DETAILS

AMD Embedded Radeon™ E9550MXM Module

- Polaris Architecture
- High-performance Type B Mobile PCI Express® Module (MXM)
- 36 Compute Units; 5.8 TFLOPS
- 8GB GDDR5 Memory; 256bit wide
- <95W Thermal Design Power
- Graphics Clock 1120 MHz
- Memory Clock 1250 MHz
- x16 PCIe Gen 3
- Support for 4K hardware-accelerated decode and encode (HEVC/H.265 and AVC/H.264)
- Support for up to 6 outputs; DisplayPort 1.3 and/or HDMI 2.0
- Microsoft DirectX® 12, OpenGL 4.5, and OpenCL™ 2.0 capable
- 3 year longevity

AMD Embedded Radeon™ E8950MXM Module

- High-performance Type B Mobile PCI Express® Module (MXM)
- 32 Compute Units; 3 TFLOPS
- 8GB GDDR5 Memory; 256-bit wide
- <95W Thermal Design Power
- Graphics Clock 1000MHz
- Memory Clock 1500MHz
- Support for 4K hardware-accelerated decode and encode (H.264)
- Support for six outputs; DisplayPort, HDMI, or DVI
- Microsoft DirectX® 12, OpenGL 4.5, and OpenCL™ 2.0 capable

OPN	MODEL	OUTPUT	COOLING
100-K00247	AMD Embedded Radeon™ E9550 MXM TYPE B Module	6 x DisplayPort / HDMI® / DVI	N/A
100-K00204	AMD Embedded Radeon™ E8950MXM Type B Module	6 x DisplayPort / HDMI® / DVI	N/A
100-K00243	AMD Embedded Radeon™ E8950MXM Type B Module	6 x DisplayPort / HDMI® / DVI	Fansink



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