AMD High-Performance Embedded GPUs

THE OPTIMAL BALANCE OF PROCESSING PERFORMANCE, POWER EFFICIENCY, AND COST EFFECTIVENESS

OVERVIEW

AMD Radeon™ high-performance embedded discrete GPUs provide exceptional graphics performance for single and multi-display systems without compromising power consumption or cost. Ideally suited for portable medical imaging devices, digital signage installations, and casino and arcade gaming systems, AMD high-performance embedded GPUs support a broad range of performance and power requirements that can meet and surpass the needs of most mainstream embedded applications.

KEY BENEFITS

• **Excellent Performance-Per-Watt** – Enable 4K video encode/decode and 3D graphics at efficient thermal design power (TDP) profiles as low as 37W. Create crisp, eye-catching visual experiences while conserving power.

• **Multi-display Immersion** – Support up to six displays with a single small form factor module. Enable ultra-immersive, multi-display visual experiences and advanced 4K H.265 encode and decode multimedia capabilities for digital signage and casino and arcade gaming systems.

• **Compact Form Factor** – Preserve valuable board space in small form factor systems like wall-mounted and/or mobile digital signage displays and multimedia players. Free up real estate for additional value-add components.

• **Long Product Support** – Get optimal value out of designs by reducing engineering iteration cycles. Particularly valuable for designers of products in highly regulated industries, including medical imaging and casino gaming.
PRODUCT DETAILS

AMD Embedded Radeon™ E9260 MXM Module

- Polaris Architecture
- MXM 3.x Type A
- 14 Compute Units; 2.5 TFLOPs
- 4GB GDDR5 Memory; 128-bit wide
- <50W Power
- Passive heatsink and fansink options
- x8 PCIe® Gen 3
- 4K HEVC/H.2651 and AVC/H.264 HW decode and encode support
- DP 1.3 and/or HDMI 2.0
- Support for five outputs
- Five year longevity

AMD Embedded Radeon™ E9260 PCIe Module

- Polaris Architecture
- Quad DP 1.3 low profile, half length, single slot
- 14 Compute Units; 2.5 TFLOPs
- 4GB GDDR5 Memory; 128-bit wide
- <50W Power
- Passive heatsink and fansink options
- x8 PCIe® Gen 3
- 4K HEVC/H.2651 and AVC/H.264 HW decode and encode support
- DP 1.3 and/or HDMI 2.0
- Support for five outputs
- Five year longevity

AMD Embedded Radeon™ E8870 MXM Module

- Latest-gen performance boost Type B Mobile PCI Express® Module (MXM)
- 12 Compute Units; 1.5 TFLOPs
- 4GB GDDR5 Memory; 128-bit wide
- <75W Thermal Design Power
- Graphics Clock 1000MHz
- Memory Clock 1500MHz
- Dual HD decode of H.264, VC-1, MPEG-4, and MPEG-2
- Support for six outputs
- Microsoft DirectX® 12, OpenGL 4.5, and OpenCL™ 2.0 capable

AMD Embedded Radeon™ E8870 PCIe Module

- PC add-in graphics board with 4 DisplayPort outputs
- 12 Compute Units ; 1.5 TFLOPs
- 4GB GDDR5 Memory; 128-bit wide
- <75W Thermal Design Power
- Graphics Clock 1000MHz
- Memory Clock 1500MHz
- Dual HD decode of H.264, VC-1, MPEG-4, and MPEG-2

www.amd.com/embedded

Product Brief: AMD High-Performance Embedded GPUs

- Four outputs of DisplayPort 1.2 and/or HDMI® 1.4 (thru passive adapter)
- AMD Eyefinity technology to drive up to six displays using MST hubs
- Microsoft DirectX® 12, OpenGL 4.5, and OpenCL™ 2.0 capable

AMD Embedded Radeon™ E8860 GPU MCM Module

- Graphics Core Next (GCN) Architecture
- 10 Compute Units; 768 GFLOPS
- 2GB GDDR5 Memory; 128-bit wide
- <37W Thermal Design Power
- Graphics Clock 625-MHz
- Memory Clock 1125-MHz
- Dual HD decode of H.264, VC-1, MPEG-4 and MPEG-2
- Support for up to six displays
- Microsoft DirectX® 12, OpenGL 4.5, and OpenCL™ 2.0 capable