SAPPHIRE GPRO E-Series
Commercial Graphics Solutions

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

GPRO E9260 Key Features :

- 8 GB GDDR5 high speed memory
- 4 x DisplayPort outputs
- Two ball bearing long life cycle fan solution
- Support 4 x 4K @60Hz with DisplayPort 1.3 and HDMI 2.0*
  (*Through active DP-to-HDMI 2.0 Dongles)
- 4K HEVC / H.265 and AVC / H.264 HW decode and encode support
- < 80W power consumption
- Planned longevity 5 years

GPRO E8870 Key Features :

- 4 GB GDDR5 high speed memory
- 6 x Mini DisplayPort outputs with Screw Secure Lock support
- Two ball bearing long life cycle fan solution with the latest SAPPHIRE Vapor-X Cooling Technology
- Support 6 x 4K @60Hz with Mini Display-Port and HDMI 2.0*
  (*Through active mDP-to-HDMI 2.0 Dongles)
- Dual HD decode of H.264, VC-1, MPEG-4, and MPEG-2
- < 80W power consumption
- Planned longevity 5 years

SAPPHIRE GPRO E-Series are powered by AMD Radeon™ high-performance embedded discrete GPUs providing, 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. SAPPHIRE GPRO high-performance E-Series support a broad range of performance and power requirements that can meet and surpass the needs of most mainstream embedded applications

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

- Multi-display Immersion – Support up to six displays with a single slot, ATX full height and half-length form factor. Delivering 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.

- Longterm 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.

Key Markets :

- Digital Signage
- Financial Service
- Aerospace / Defense
- Medical Healthcare
- Arcade Gaming
- Transportation
- Education
- Security

SAPPHIRE GPRO E-Series Unique Features

Features	Benefits
EDID Emulation (Extended Display Identification Data)	EDID is a data structure provided by displays that enables a personal computer to identify the monitors and their display capabilities. The SAPPHIRE GPRO E-Series driver provides the AMD EDID Emulation function tool that reads the EDID data information from connected display devices and saves it to a text or binary file for further usage.
Custom Timing / Resolutions	The Custom Resolutions feature allows users to create and configure custom resolutions, refresh rates and other timing settings.
DirectGMA	Enables low latency, high-bandwidth peer-to-peer data transfers between devices on host systems PCIe bus and SAPPHIRE GPRO E-Series. Devices supporting DirectGMA can write directly into the local memory of SAPPHIRE GPRO E-Series Graphics and vice versa. This functionality can dramatically reduce latency and host system "over-head" as needed for real-time broadcasting and other types of high-speed communications applications.
10-bit Pixel Format Color Support	The 10-bit Pixel Format Color Support enables the SAPPHIRE GPRO E-Series graphics to deliver greater bit depth than the conventional 8-bits per color channel. Greatly used in application verticals such as medical imaging, professional photography, graphics design, movie production and entertainment in general.
All Eyefinity Configurations* * Not available on Linux Catalyst	All Eyefinity configurations supported: 1x6, 6x1, 3x2, 2x3, 1x5, 5x1 1x4, 4x1, 2x2, 1x3, 3x1, 1x2, 2x1

Specification Table

Products	GPRO E9260	GPRO E8870
Image		
Memory Size	8 GB	4 GB
Memory Type	GDDR5	GDDR5
Output Connectors	4 x DisplayPort	6 x Mini DisplayPort
Cooling System	Active Fan with 2 Ball Bearing	Active Fan with 2 Ball Bearing with Vapor-X Technology
Form Factor	ATX	ATX
Slot Occupied	Single Slot	Single Slot
Power Consumption	< 80 W	< 80 W
Bus Type	PCIe x16 Bus (running at x8)	PCIe x16 Bus
Planned Longevity	5 years	5 years

SAPPHIRE
Professional Graphics Solutions