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Embedded Graphics Series

RADEON GRAPHICS AMD

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AMD Embedded Solutions

Casino
Gaming Systems

Multiple
Displays

3D
Visuals

Full
Interactivity

The Way to Timely Innovation

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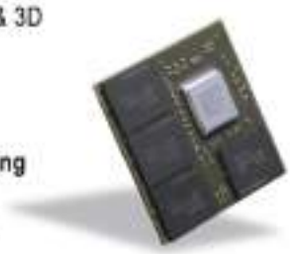
+5 year Longevity Performance Graphic E6760

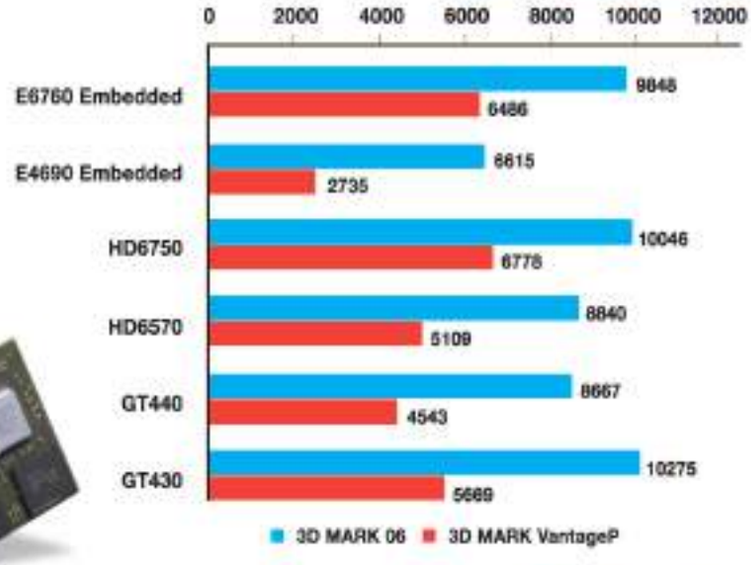
Improved Mid-Range Desktop Performance
3DMark™ VantageP Score of 6486 (600e/3.2Gbps)
3DMark™ 06 Score 9848 (600e/3.2Gbps)
TDP 35W
GPU Clock 600MHz

Bigger & Faster Memory
128-bit, 1GB GDDR5 , 51.2 GB/s

Enhanced Graphics & Video
DirectX® 11, Shader 5.0, OpenGL 4.1 support
Great entertainment & multimedia features
New UVD3 Video & Display engines for HD, Blu-ray & 3D
AMD Eyefinity to drive up to 6 displays
Windows® 7, Linux® (x86)

Available as MXM module & PCIe® add-in board
Superior GPGPU capabilities for parallel processing
480 Shader processors
AMD Accelerate Parallel Processing, OpenCL™ 1.1, DirectCompute 11
576 GFLOPs single precision peak (600e/3.2Gbps)





E6760

Model Name	ER93F
Output Ports	Dual Link DVI-I / Single Link DVI-D / HDMI / Mini DPx2
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard (145x110 mm)

Model Name	ER93FA
Output Ports	Mini DPx6
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard

Model Name	ER93FL
Output Ports	Mini DPx4
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard-Passive Thermal / Low profile -Fan

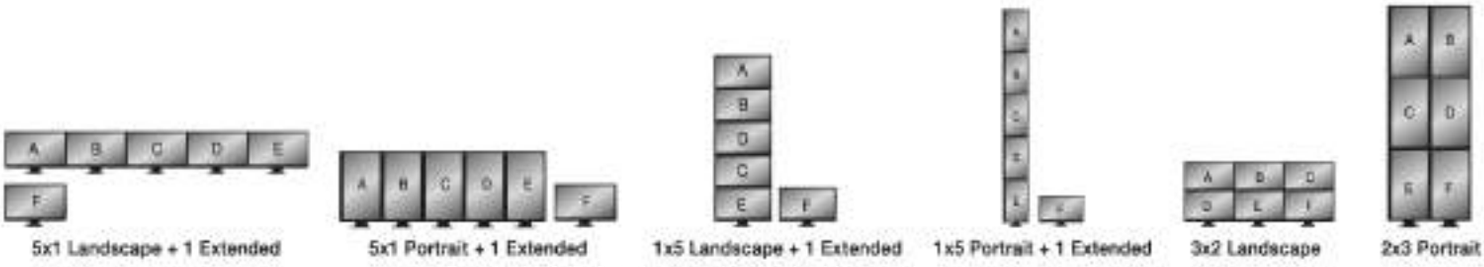
Model Name	ER93FLA
Output Ports	Dual Link DVI-I/HDMI/VGA
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard-Passive Thermal / Low profile-Fan

Model Name	ER93FC
Output Ports	Dual Link DVI-I / Single Link DVI-I
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard

Model Name	EM93F
Interface	PCI Express® 2.1 (X16)
Form Factor	MxM 3.0 Module A type

★ Application for Gaming/Digital signage/Medical system/Workstation & Sever ...etc. ODM Welcome

E6760 Eyefinity Display Group Grid Configuration



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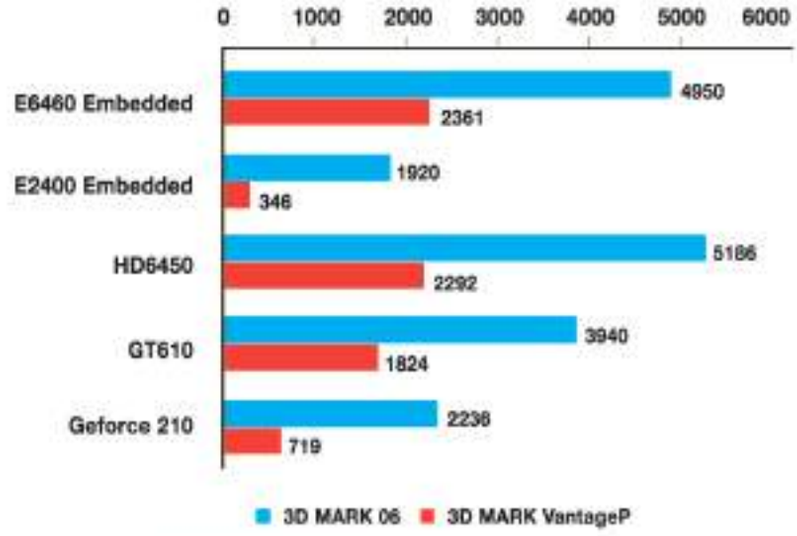
+5 year Longevity
Mainstream Graphic E6460

Improved Mid-Range Desktop Performance
3DMark™ VantageP Score of 2361 (600e/3.2Gbps)
3DMark™ 06 Score 4950 (600e/3.2Gbps)
TDP 20W
GPU Clock 600MHz

Bigger & Faster Memory
64-bit, 512MB GDDR5 , 25.6 GB/s

Enhanced Graphics & Video
DirectX® 11, Shader 5.0, OpenGL 4.1 support
Great entertainment & multimedia features
New UVD3 Video & Display engines for HD, Blu-ray & 3D
AMD Eyefinity to drive up to 4 displays
Windows® 7, Linux® (x86)

Available as MXM module & PCIe® add-in board
Superior GPGPU capabilities for parallel processing
160 Shader processors
AMD Accelerate Parallel Processing, OpenCL™ 1.1,
DirectCompute 11
192 GFLOPs single precision peak (600e/3.2Gbps)



E6460

Model Name	ER91F
Output Ports	Single Link DVI-D / HDMI / Mini DPx2
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard (145x110 mm)

Model Name	ER91FL
Output Ports	Mini DPx4
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard-Passive Thermal / Low profile -Fan

Model Name	ER91FLA
Output Ports	Dual Link DVI-I / HDMI / VGA
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard-Passive Thermal / Low profile-Fan

Model Name	ER91FC
Output Ports	Dual Link DVI-I / Single Link DVI-I
Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard

Model Name	EM91F
Interface	PCI Express® 2.1 (X16)
Form Factor	MxM 3.0 Module A type

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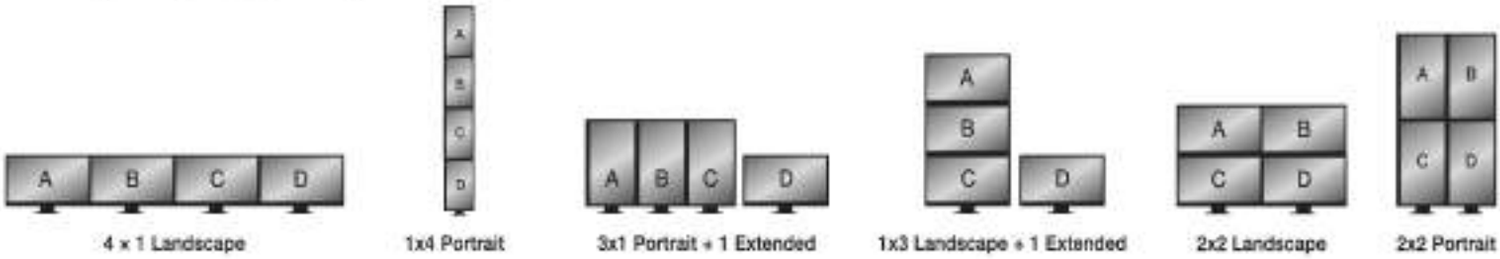
E6460 Eyefinity Display Group Grid Configuration



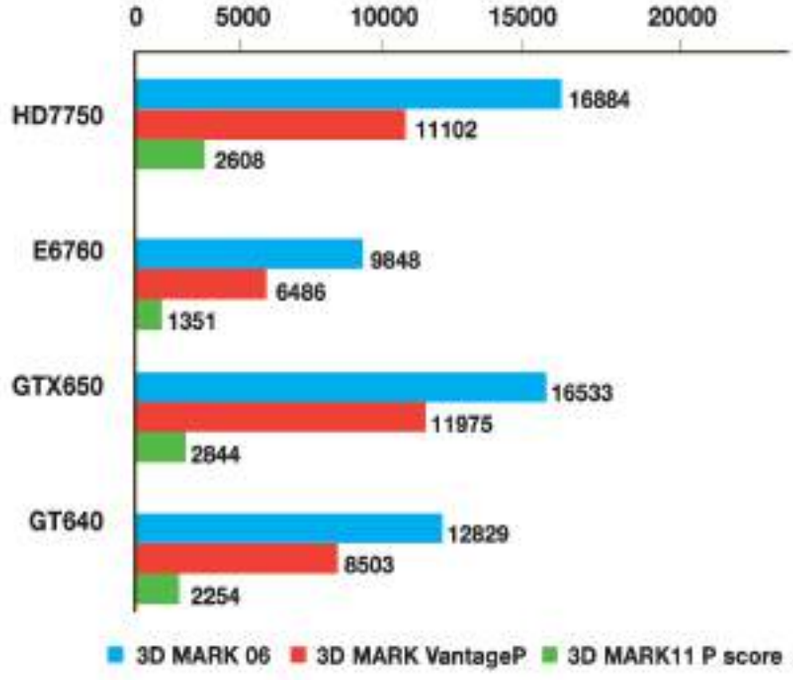
Performance Graphic
HD7750 & HD5450

Improved Mid-Range Desktop Performance
3DMark™ 11 P Score 2608
3DMark™ VantageP Score of 11102
3DMark™ 06 Score 16884
TDP 55W
GPU Clock 800MHz

Bigger & Faster Memory
128-bit, 1GB GDDR5 , 72GB/s

Enhanced Graphics & Video
DirectX® 11, Shader 5.0, OpenGL 4.2 support
Display Port 1.2, HDMI 1.4(With 4K , 3D)
New UVD3 Video & Display engines for HD, Blu-ray & 3D
Windows® 7, Linux® (x86)

PCIe® add-in board Improved Desktop Performance
Superior GPGPU capabilities for parallel processing
512 Shader processors
AMD Accelerate Parallel Processing, OpenCL™ 1.2,
DirectCompute 11
819 GFLOPs single precision peak (600e/3.2Gbps)



HD7750

Model Name	ER14FL
GPU Clock	800MHz
Memory	GDDR5, 128 bit, 1GB
Enhanced Graphics	OpenGL 4.2, OpenCL1.2, DirectX 11
Output Ports	Dual Link DVI-I / HDMI / VGA
GPU Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard to Low profile

Model Name	EM14K
GPU Clock	800MHz
Memory	DDR3, 128 bit , 1GB , up to 4GB
GPU Interface	PCI Express® 2.1 (X16)
Form Factor	MxM 3.0 Module A type

HD5450

Model Name	ER81KLC
GPU Clock	650MHz
Memory	DDR3, 500MHz / 1Gbps, 64 bit, 1GB
Output Ports	Dual Link DVI-I / HDMI / VGA
GPU Interface	PCI Express® 2.1 (X16)
Form Factor	ATX standard to Low profile

Model Name	ER81BLB
GPU Clock	650MHz
Memory	DDR2, 333MHz / 666 Mbps, 64 bit, 512MB
Output Ports	Dual Link DVI-I / HDMI / VGA
GPU Interface	PCI Express® 2.1 (X1)
Form Factor	ATX standard to Low profile

Model Name	ER81PL
GPU Clock	650MHz
Memory	DDR2, 333MHz / 666 Mbps, 64 bit, 512MB
Output Ports	Dual Link DVI-I / HDMI / VGA
GPU Interface	PCI Bus
Form Factor	ATX standard to Low profile

Model Name	EM81KC
GPU Clock	650MHz
Memory	DDR2, 333MHz / 666 Mbps, 64 bit, 512MB
GPU Interface	PCI Express® 2.1 (X16)
Form Factor	MxM 3.0 Module A type

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AMD Eyefinity

AMD Eyefinity technology is a unique feature of AMD graphics products that gives more visual real estate to view large scale models and multiple applications at the same time in a single, large workspace.It is a solution developed by AMD that can operate up to six high-resolution displays of a single graphics card simultaneously and independently, flexibly configured in various combinations of landscape and portrait orientations.

On the hardware level,each graphics chip is equipped with the ability to support a certain maximum number of displays.The graphics chip is then connected to display outputs (like DVI or Display Port), which allow to physically connect displays.The number and type of display outputs will vary based upon the product and its display output configuration.

On the software side,the AMD Catalyst™ driver suite is the one-stop shop for configuring the way to connect displays actually behaves. From configuring the orientation to combining their resolutions, AMD Catalyst™ makes it easy to get multiple displays up and running..running..

Multi display

AMD Eyefinity technology supports multiple independent display outputs simultaneously,
delivers innovative graphics display capabilities enabling massive desktop workspaces and ultra-immersive visual environments for the ultimately panoramic and gaming experience.

By expanding field of view across multiple high-resolution monitors,enables to see more detail than ever and helps to increase workflow productivity. It helps to manage multitasking more efficiently, allows to view more data, applications, and images at once.

Group multiple monitors into a large integrated display surface,enables windowed and full-screen 3D applications, images, and videos to span across multiple displays as one desktop workspace. Multiple display outputs enable multiple 3D displays with independent display resolution, refresh rate, and display rotation settings

Open CL 1.2

AMD's OpenCL™ release works on both x86 CPUs as well as AMD GPUs.OpenCL (Open Computing Language) is a framework for writing programs that execute across heterogeneous platforms consisting of central processing units (CPUs), graphics processing units (GPUs),DSPs and other processors.OpenCL provides parallel computing using task-based and data-based parallelism,to be used to give an application access to a graphics processing unit for non-graphical computing.