

Transcend the Vision

Embedded Graphic Solutions that Lead to New Territory

Embedded Graphic Solutions



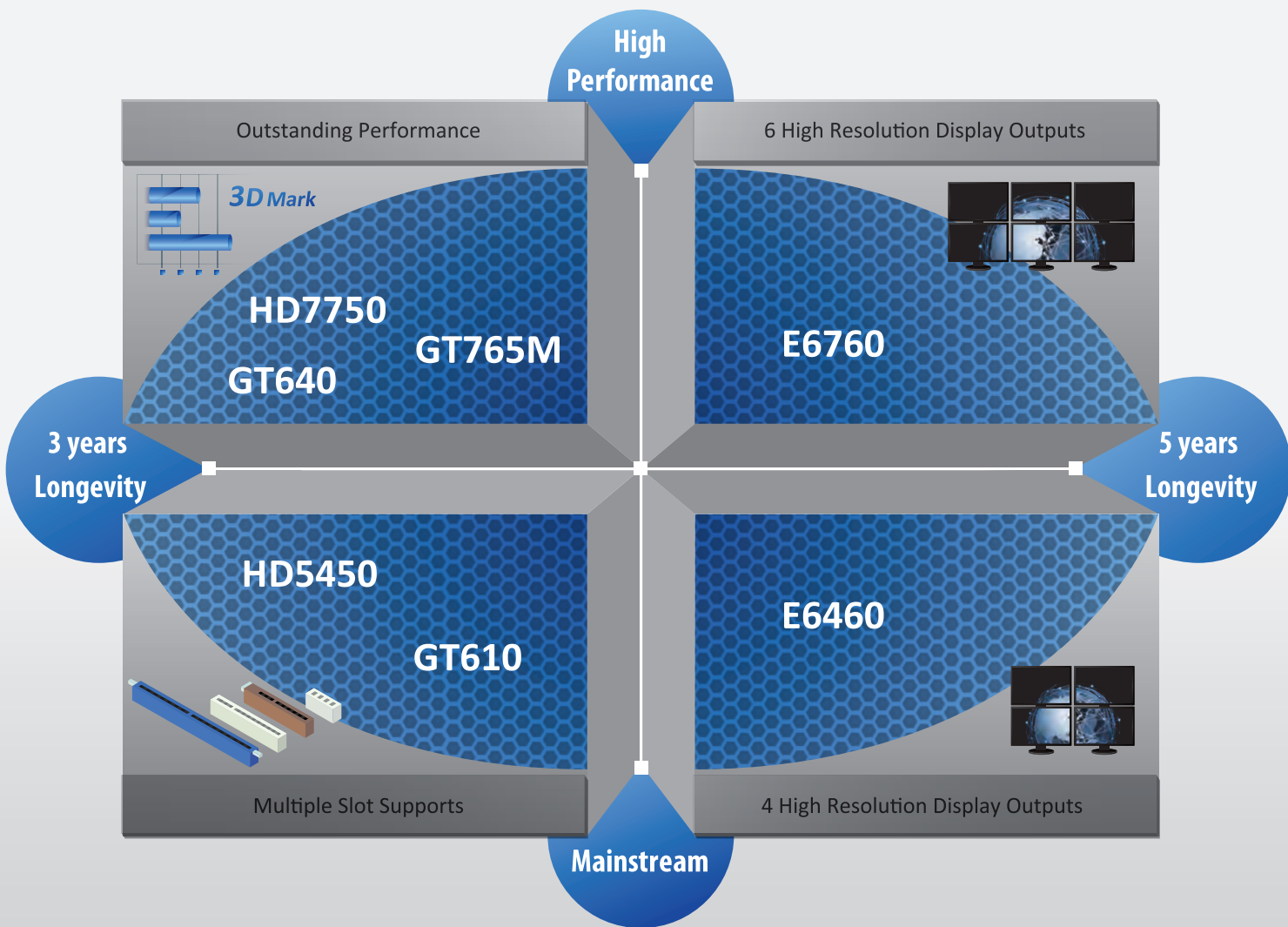
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Enabling an Intelligent Planet



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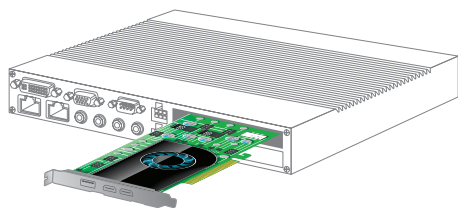
Compact Product Portfolio



Designed for Compatibility

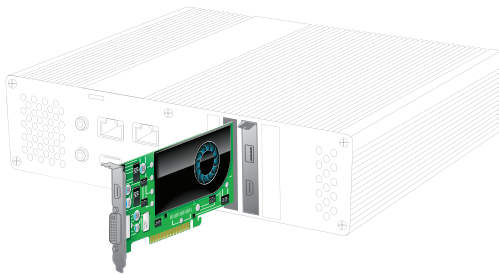
One-slot Design

Enables multiple outputs within limited space



Low Profile Version

Provides solutions to meet various requirements



Low Power Consumption

Enhances system stability and increases system longevity



NVIDIA GeForce Solutions



Unleash the Power

CUDA™, the parallel computing platform and programming model invented by NVIDIA, unleashes the power of GPU and dramatically increases computing performance. It has been broadly deployed in various applications, including digital content creation, medical imaging, video processing, and so on.



NVIDIA GeForce GT610



Feature	GFX-N3A1-01	GFX-N3A1-61	GFX-N3A1-71
Form Factor	ATX/ Low Profile* (145 x 69 mm)		
Graphics Processing Unit			
Graphics Clock	810 MHz		
GPU Interface	PCIe 2.1 (X16)	PCI Bus	PCIe 2.1 (X1)
Cuda Core	Cuda Core 48		
DirectX®	DirectX® 11		
Video Memory			
Memory Clock	500 MHz / 1 Gbps		
Config./ Type	64-bit wide, 1 GB, DDR3		
Display Interface			
Single / Dual-Link DVI	Dual-Link DVI-D x 1		
HDMI 1.4	HDMI x 1		
VGA	VGA x 1		

* Low profile model has no VGA port

NVIDIA GeForce GT640



Feature	GFX-N3A6-01	GFX-N3A6-02	GFX-N3A6-50
Form Factor	ATX/ Low Profile* (145 x 69 mm)		ATX (160 x 112 mm)
Graphics Processing Unit			
Graphics Clock	900 MHz		
GPU Interface	PCI Express® 2.1 (X16)		
Cuda Core	Cuda Core 384		
DirectX®	DirectX® 11		
Video Memory			
Memory Clock	900 MHz / 1.8 Gbps		
Config./ Type	128-bit wide, 1GB, DDR3	128-bit wide, 2GB, DDR3	128-bit wide, 1GB, DDR3
Display Interface			
Single / Dual-Link DVI	Dual-Link DVI-D x 1		Dual-Link DVI-D x 1, DVI-I x 1
HDMI 1.4	HDMI x 1		Mini HDMI x 1
VGA	VGA x 1		-

* Low profile model has no VGA port

GT765M solutions are available in Q3, 2013. For more information, please contact Embedded.graphic@advantech.com.tw

AMD Radeon™ Solutions



See more than ever

AMD Eyefinity technology allows for simultaneous support of up to six independent high-resolution displays, in various flexible landscape and portrait configurations.



3X1 Landscape Display Group



6X1 Landscape Display Group



AMD Radeon™ E6460



Feature	GFX-A5T4-01	GFX-A5T4-20	GFX-A5T4-30	GFX-A5T4-40
Form Factor	ATX/ Low Profile** (168 x 69 mm)		ATX (145 x 110 mm)	MXM (82 x 70 mm)
Graphics Processing Unit				
Graphics Clock	600 MHz			
GPU Interface	PCI Express® 2.1 (X16)			MXM 3.0, Type A
UVD*	UVD3 for H.264, VC-1, MPEG-2, MPEG-4 part 2 decode			
Video Memory				
Memory Clock	800 MHz / 3.2 Gbps			
Config./ Type	64-bit wide, 512 MB, GDDR5			
Display Interface				
Single / Dual-Link DVI	Single-Link DVI-D x 1	-	Single-Link DVI-I x 1	-
DisplayPort 1.1a/2.0	-	Mini Display Port x 4	Mini Display Port x 2	-
HDMI 1.4 / VGA	HDMI x 1 /VGA x 1	-	HDMI x 1	-

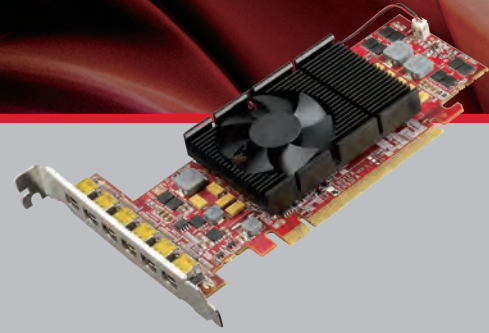
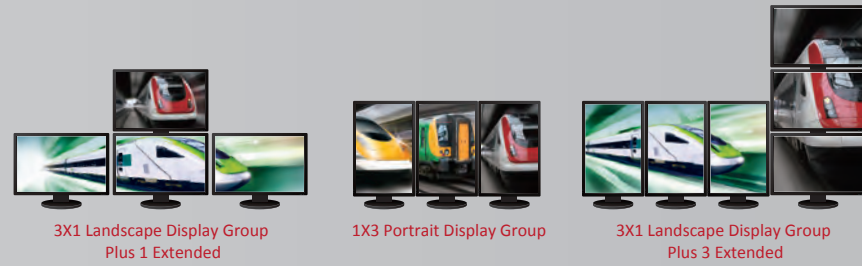
* UVD: Unified Video Decoder ** Low profile model has no VGA port

AMD Radeon™ E6760



Feature	GFX-A5T7-01	GFX-A5T7-20	GFX-A5T7-10	GFX-A5T7-80	GFX-A5T7-90	GFX-A5T7-40
Form Factor	ATX/ Low Profile** (168 x 69 mm)	ATX (168 x 95 mm)	ATX (145 x 110 mm)	ATX (145 x 110 mm)	ATX (145 x 110 mm)	MXM (82 x 70 mm)
Graphics Processing Unit						
Graphics Clock	600 MHz					
GPU Interface	PCI Express® 2.1 (X16)					MXM 3.0, Type A
UVD*	UVD3 for H.264, VC-1, MPEG-2, MPEG-4 part 2 decode					
Video Memory						
Memory Clock	800 MHz / 3.2 Gbps					
Config./ Type	128-bit wide, 1 GB, GDDR5					
Display Interface						
Single / Dual-Link DVI	Dual-Link DVI-D x 1	-	-	Dual-Link DVI-I x 1, Single-Link DVI-D x 1	Dual-Link DVI-I x 1, Single-Link DVI-D x 1	-
DisplayPort 1.1a/2.0	-	Mini Display Port x 4	Mini Display Port x 6	Mini Display Port x 2	-	-
HDMI 1.4 / VGA	HDMI x 1 /VGA x 1	-	-	HDMI x 1	-	-

* UVD: Unified Video Decoder ** Low profile model has no VGA port



AMD Radeon™ HD5450



Feature	GFX-A3T5-01	GFX-A3T5-61	GFX-A3T5-71	GFX-A3T5-40
Form Factor	ATX/ Low Profile** (167 x 69 mm)			MXM (82 x 70 mm)
Graphics Processing Unit				
Graphics Clock	650 MHz			
GPU Interface	PCIe 2.1 (X16)	PCI Bus	PCIe 2.1 (X1)	MXM 3.0, Type A
UVD*	UVD3 for H.264, VC-1, MPEG-2, MPEG-4 part 2 decode			
Video Memory				
Memory Clock	500 MHz / 1 Gbps			333 MHz / 666 Mbps
Config./ Type	64-bit wide, 1 GB, DDR3			64-bit wide, 512 MB, DDR2
Display Interface				
Single / Dual-Link DVI	Dual-Link DVI-D x 1			-
HDMI 1.4	HDMI x 1			-
VGA	VGA x 1			-

* UVD: Unified Video Decoder

** Low profile model has no VGA port

AMD Radeon™ HD7750



Feature	GFX-A3T2-01	GFX-A3T2-40
Form Factor	ATX/ Low Profile** (168 x 69 mm)	MXM (82 x 70 mm)
Graphics Processing Unit		
Graphics Clock	800 MHz	575 MHz
GPU Interface	PCIe 2.1 (X16)	MXM 3.0, Type A
UVD*	UVD3 for H.264, VC-1, MPEG-2, MPEG-4 part 2 decode	
Video Memory		
Memory Clock	1125 MHz / 4.5 Gbps	800 MHz / 1.6 Gbps
Config./ Type	128-bit wide, 1 GB, GDDR5	128-bit wide, 1 GB, DDR3
Display Interface		
Single / Dual-Link DVI	Dual-Link DVI-D x 1	-
HDMI 1.4	HDMI x 1	-
VGA	VGA x 1	-

* UVD: Unified Video Decoder

** Low profile model has no VGA port



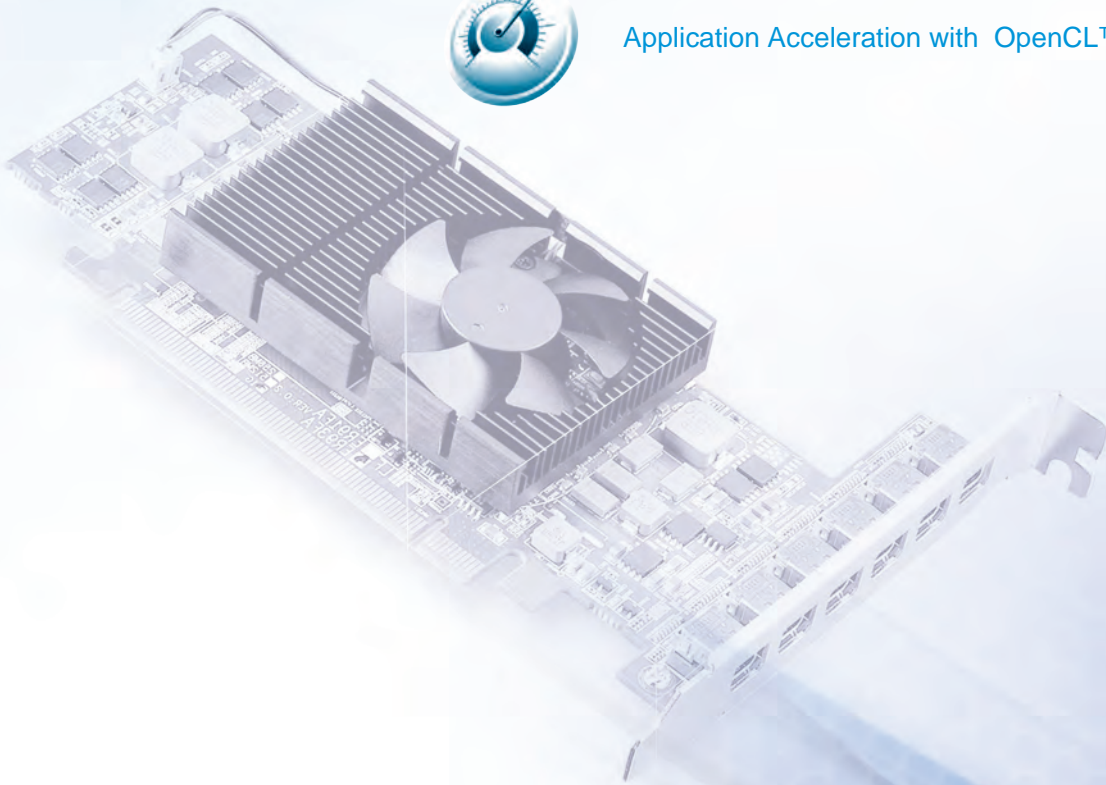
Ultimate Display Flexibility with support for up to six displays



Five-year planned product life cycle with dedicated support



Application Acceleration with OpenCL™ 1.2 standard



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